

## SEQUENCE LISTING

&lt;110&gt; INCYTE PHARMACEUTICALS, INC.

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KASER, Matthew R.

BAUGHN, Mariah R.

AU-YOUNG, Janice

&lt;120&gt; HUMAN TRANSMEMBRANE PROTEINS

&lt;130&gt; PF-0526 PCT

&lt;140&gt; To Be Assigned

&lt;141&gt; Herewith

&lt;150&gt; 60/087,260; 60/091,674; 60/102,954; 60/109,869

&lt;151&gt; 1998-05-29; 1998-07-02; 1998-10-02; 1998-11-24

&lt;160&gt; 158

&lt;170&gt; PERL Program

&lt;210&gt; 1

&lt;211&gt; 240

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 153831

&lt;400&gt; 1

Met	Gly	Asn	Cys	Gln	Ala	Gly	His	Asn	Leu	His	Leu	Cys	Leu	Ala
1				5					10					15
His	His	Pro	Pro	Leu	Val	Cys	Ala	Thr	Leu	Ile	Leu	Leu	Leu	Leu
				20					25					30
Gly	Leu	Ser	Gly	Leu	Gly	Leu	Gly	Ser	Phe	Leu	Leu	Thr	His	Arg
				35					40					45
Thr	Gly	Leu	Arg	Ser	Pro	Asp	Ile	Pro	Gln	Asp	Trp	Val	Ser	Phe
				50					55					60
Leu	Arg	Ser	Phe	Gln	Leu	Thr	Leu	Cys	Pro	Arg	Asn	Gly	Thr	
				65					70					75
Val	Thr	Gly	Lys	Trp	Arg	Gly	Ser	His	Val	Val	Gly	Leu	Leu	Thr
				80					85					90
Thr	Leu	Asn	Phe	Gly	Asp	Gly	Pro	Asp	Arg	Asn	Lys	Thr	Arg	Thr
				95					100					105
Phe	Gln	Ala	Thr	Val	Leu	Gly	Ser	Gln	Met	Gly	Leu	Lys	Gly	Ser
				110					115					120

Ser	Ala	Gly	Gln	Leu	Val	Leu	Ile	Thr	Ala	Arg	Val	Thr	Thr	Glu
				125					130					135
Arg	Thr	Ala	Gly	Thr	Cys	Leu	Tyr	Phe	Ser	Ala	Val	Pro	Gly	Ile
				140/					145					150
Leu	Pro	Ser	Ser	Gln	Pro	Pro	Ile	Ser	Cys	Ser	Glu	Glu	Gly	Ala
				155					160					165
Gly	Asn	Ala	Thr	Leu	Ser	Pro	Arg	Met	Gly	Glu	Glu	Cys	Val	Ser
				170					175					180
Val	Trp	Ser	His	Glu	Gly	Leu	Val	Leu	Thr	Lys	Leu	Leu	Thr	Ser
				185					190					195
Glu	Glu	Leu	Ala	Leu	Cys	Gly	Ser	Arg	Leu	Leu	Val	Leu	Gly	Ser
				200					205					210
Phe	Leu	Leu	Leu	Phe	Cys	Gly	Leu	Leu	Cys	Cys	Val	Thr	Ala	Met
				215					220					225
Cys	Phe	His	Pro	Arg	Arg	Glu	Ser	His	Trp	Ser	Arg	Thr	Arg	Leu
				230					235					240

&lt;210&gt; 2

&lt;211&gt; 100

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 350629

&lt;400&gt; 2

Met	Glu	Gly	Leu	Arg	Ser	Ser	Val	Glu	Leu	Asp	Pro	Glu	Leu	Thr
1				5					10					15
Pro	Gly	Lys	Leu	Asp	Glu	Glu	Met	Val	Gly	Leu	Pro	Pro	His	Asp
				20					25					30
Ala	Ser	Pro	Gln	Val	Thr	Phe	His	Ser	Leu	Asp	Gly	Lys	Thr	Val
				35					40					45
Val	Cys	Pro	His	Phe	Met	Gly	Leu	Leu	Leu	Gly	Leu	Leu	Leu	Leu
				50					55					60
Leu	Thr	Leu	Ser	Val	Arg	Asn	Gln	Leu	Cys	Val	Arg	Gly	Glu	Arg
				65					70					75
Gln	Leu	Ala	Glu	Thr	Leu	His	Ser	Gln	Val	Lys	Glu	Lys	Ser	Gln
				80					85					90
Leu	Ile	Gly	Lys	Lys	Thr	Asp	Cys	Arg	Asp					
				95					100					

&lt;210&gt; 3

&lt;211&gt; 416

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 729171

<400> 3  
Met Ser Gly His Arg Ser Thr Arg Lys Arg Cys Gly Asp Ser His  
1 5 10 15  
Pro Glu Ser Pro Val Gly Phe Gly His Met Ser Thr Thr Gly Cys  
20 25 30  
Val Leu Asn Lys Leu Phe Gln Leu Pro Thr Pro Pro Leu Ser Arg  
35 40 45  
His Gln Leu Lys Arg Leu Glu Glu His Arg Tyr Gln Ser Ala Gly  
50 55 60  
Arg Ser Leu Leu Glu Pro Leu Val Gln Gly Tyr Trp Glu Trp Leu  
65 70 75  
Val Arg Arg Val Pro Ser Trp Ile Ala Pro Asn Leu Ile Thr Ile  
80 85 90  
Ile Gly Leu Ser Ile Asn Ile Cys Thr Thr Ile Leu Leu Val Phe  
95 100 105  
Tyr Cys Pro Thr Ala Thr Glu Gln Ala Pro Leu Trp Ala Tyr Ile  
110 115 120  
Ala Cys Ala Cys Gly Leu Phe Ile Tyr Gln Ser Leu Asp Ala Ile  
125 130 135  
Gly Gly Lys Gln Ala Arg Arg Thr Asn Ser Ser Ser Pro Leu Gly  
140 145 150  
Glu Leu Phe Asp His Gly Cys Asp Ser Leu Ser Thr Val Phe Val  
155 160 165  
Val Leu Gly Thr Cys Ile Ala Val Gln Leu Gly Thr Asn Pro Asp  
170 175 180  
Trp Met Phe Phe Cys Cys Phe Ala Gly Thr Phe Met Phe Tyr Cys  
185 190 195  
Ala His Trp Gln Thr Tyr Val Ser Gly Thr Leu Arg Phe Gly Ile  
200 205 210  
Ile Asp Val Thr Glu Val Gln Ile Phe Ile Ile Ile Met His Leu  
215 220 225  
Leu Ala Val Met Gly Gly Pro Pro Phe Trp Gln Ser Met Ile Pro  
230 235 240  
Val Leu Asn Ile Gln Met Lys Ile Phe Pro Ala Leu Cys Thr Val  
245 250 255  
Ala Gly Thr Ile Phe Pro Val Thr Asn Tyr Phe Arg Val Ile Phe  
260 265 270  
Thr Gly Gly Val Gly Lys Asn Gly Ser Thr Ile Ala Gly Thr Ser  
275 280 285  
Val Leu Ser Pro Phe Leu His Ile Gly Ser Val Ile Thr Leu Ala  
290 295 300  
Ala Met Ile Tyr Lys Lys Ser Ala Val Gln Leu Phe Glu Lys His  
305 310 315  
Pro Cys Leu Tyr Ile Leu Thr Phe Gly Phe Val Ser Ala Lys Ile  
320 325 330  
Thr Asn Lys Leu Val Val Ala His Met Thr Lys Ser Glu Met His  
335 340 345  
Leu His Asp Thr Ala Phe Ile Gly Pro Ala Leu Leu Phe Leu Asp  
350 355 360  
Gln Tyr Phe Asn Ser Phe Ile Asp Glu Tyr Ile Val Leu Trp Ile  
365 370 375  
Ala Leu Val Phe Ser Phe Phe Asp Leu Ile Arg Tyr Cys Val Ser  
380 385 390  
Val Cys Asn Gln Ile Ala Ser His Leu His Ile His Val Phe Arg  
395 400 405  
Ile Lys Val Ser Thr Ala His Ser Asn His His

410

415

<210> 4  
<211> 224  
<212> PRT  
<213> Homo sapiens  
  
<220>  
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<223> Incyte Clone No: 1273641

<400> 4  
Met Thr Ile Thr Ser Phe Tyr Ala Val Cys Phe Tyr Leu Leu Met  
1 5 10 15  
Leu Val Met Val Glu Gly Phe Gly Gly Lys Glu Ala Val Leu Arg  
20 25 30  
Thr Leu Arg Asp Thr Pro Met Met Val His Thr Gly Pro Cys Cys  
35 40 45  
Cys Cys Cys Pro Cys Cys Gln Arg Leu Leu Leu Thr Arg Lys Lys  
50 55 60  
Leu Gln Leu Leu Met Leu Gly Pro Phe Gln Tyr Ala Phe Leu Lys  
65 70 75  
Ile Thr Leu Thr Trp Trp Ala Leu Phe Ser Ser Pro Thr Glu Ser  
80 85 90  
Tyr Asp Pro Ala Asp Ile Ser Glu Gly Ser Thr Ala Leu Trp Ile  
95 100 105  
Asn Thr Phe Leu Gly Val Ser Thr Leu Leu Ala Leu Trp Thr Leu  
110 115 120  
Gly Ile Ile Ser Arg Gln Ala Arg Leu His Leu Gly Glu Gln Asn  
125 130 135  
Met Gly Ala Lys Phe Ala Leu Phe Gln Val Leu Leu Ile Leu Thr  
140 145 150  
Ala Leu Gln Pro Ser Ile Phe Ser Val Leu Ala Asn Gly Gly Gln  
155 160 165  
Ile Ala Cys Ser Pro Pro Tyr Ser Ser Lys Thr Arg Ser Gln Val  
170 175 180  
Met Asn Cys His Leu Leu Ile Leu Glu Thr Phe Leu Met Thr Val  
185 190 195  
Leu Thr Arg Met Tyr Tyr Arg Arg Lys Asp His Lys Val Gly Tyr  
200 205 210  
Glu Thr Phe Ser Ser Pro Asp Leu Asp Leu Asn Leu Lys Ala  
215 220

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<223> Incyte Clone No: 1427389

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Met Gly Ala Ala Val Phe Phe Gly Cys Thr Phe Val Ala Phe Gly  
 1 5 10 15  
 Pro Ala Phe Ala Leu Phe Leu Ile Thr Val Ala Gly Asp Pro Leu  
 20 25 30  
 Arg Val Ile Ile Leu Val Ala Gly Ala Phe Phe Trp Leu Val Ser  
 35 40 45  
 Leu Leu Leu Ala Ser Val Val Trp Phe Ile Leu Val His Val Thr  
 50 55 60  
 Asp Arg Ser Asp Ala Arg Leu Gln Tyr Gly Leu Leu Ile Phe Gly  
 65 70 75  
 Ala Ala Val Ser Val Leu Leu Gln Glu Val Phe Arg Phe Ala Tyr  
 80 85 90  
 Tyr Lys Leu Leu Lys Lys Ala Asp Glu Gly Leu Ala Ser Leu Ser  
 95 100 105  
 Glu Asp Gly Arg Ser Pro Ile Ser Ile Arg Gln Met Ala Tyr Val  
 110 115 120  
 Ser Gly Leu Ser Phe Gly Ile Ile Ser Gly Val Phe Ser Val Ile  
 125 130 135  
 Asn Ile Leu Ala Asp Ala Leu Gly Pro Gly Val Val Gly Ile His  
 140 145 150  
 Gly Asp Ser Pro Tyr Tyr Phe Leu Thr Ser Ala Phe Leu Thr Ala  
 155 160 165  
 Ala Ile Ile Leu Leu His Thr Phe Trp Gly Val Val Phe Phe Asp  
 170 175 180  
 Ala Cys Glu Arg Arg Arg Tyr Trp Ala Leu Gly Leu Val Val Gly  
 185 190 195  
 Ser His Leu Leu Thr Ser Gly Leu Thr Phe Leu Asn Pro Trp Tyr  
 200 205 210  
 Glu Ala Ser Leu Leu Pro Ile Tyr Ala Val Thr Val Ser Met Gly  
 215 220 225  
 Leu Trp Ala Phe Ile Thr Ala Gly Gly Ser Leu Arg Ser Ile Gln  
 230 235 240  
 Arg Ser Leu Leu Cys Lys Asp  
 245

&lt;210&gt; 6

&lt;211&gt; 72

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 1458357

&lt;400&gt; 6

Met Tyr Trp Leu His Gln Asp Met Phe Trp Leu Leu Val Leu Ile  
 1 5 10 15  
 Leu Ile Cys Leu Val Thr His Leu Ile Thr Arg Glu Thr Ile Tyr  
 20 25 30  
 Val Lys Ser Leu Phe Tyr Phe Lys Ile Leu Phe Val Tyr Leu Glu  
 35 40 45  
 Ser Lys Pro Ala His Cys Asn Leu Cys Leu Tyr Ala Lys Glu Leu  
 50 55 60

Asp Phe Phe Val Phe Val Leu Phe Phe Lys Leu Leu  
65 70

<210> 7

<211> 106

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone No: 1482837

<400> 7

Met	His	Tyr	Gly	Phe	Leu	Leu	Trp	Ser	Gly	Lys	Lys	Arg	Gly	Leu
1				5					10					15
Ala	Gly	Pro	Gln	Gly	Ile	Cys	Lys	Ser	Gln	Lys	Thr	Val	Phe	Leu
			20						25					30
Thr	Ala	Arg	Cys	His	Ser	Thr	Leu	Val	Gly	Lys	Glu	Glu	Lys	Lys
			35						40					45
Ile	Lys	Leu	Phe	His	Arg	Thr	Ser	Trp	Pro	Pro	His	Ser	His	Ala
			50						55					60
Leu	Pro	Thr	Gln	Pro	Gly	Pro	Leu	Pro	Ala	Pro	Phe	Ile	Lys	Ala
			65						70					75
Glu	Arg	Val	Glu	Leu	Ile	Phe	Thr	Asn	Cys	Asn	Ile	Phe	Val	Val
			80						85					90
Ser	Val	Ser	Ser	Phe	Val	Ser	Ser	Ala	Glu	Pro	Cys	Pro	Phe	Leu
			95						100					105
Leu														

<210> 8

<211> 239

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone No: 1517434

<400> 8

Met	Cys	Val	Thr	Gln	Leu	Arg	Leu	Ile	Phe	Tyr	Met	Gly	Ala	Met
1				5					10					15
Asn	Asn	Ile	Leu	Lys	Phe	Leu	Val	Ser	Gly	Asp	Gln	Lys	Thr	Val
			20						25					30
Gly	Leu	Tyr	Thr	Ser	Ile	Phe	Gly	Val	Leu	Gln	Leu	Leu	Cys	Leu
			35						40					45
Leu	Thr	Ala	Pro	Val	Ile	Gly	Tyr	Ile	Met	Asp	Trp	Arg	Leu	Lys
			50						55					60
Glu	Cys	Glu	Asp	Ala	Ser	Glu	Glu	Pro	Glu	Glu	Lys	Asp	Ala	Asn
			65						70					75
Gln	Gly	Glu	Lys	Lys	Lys	Lys	Lys	Arg	Asp	Arg	Gln	Ile	Gln	Lys
			80						85					90
Ile	Thr	Asn	Ala	Met	Arg	Ala	Phe	Ala	Phe	Thr	Asn	Leu	Leu	Leu
			95						100					105

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<211> 110
<212> PRT
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<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone No: 1666118

<400> 10

Met	Pro	Ala	Cys	Ile	Leu	Glu	Asp	Val	Glu	Ile	Ser	Phe	Arg	Gln
1				5					10					15
Lys	Trp	Ser	Ile	Asn	Ser	Asp	Thr	Leu	Leu	Gly	Cys	Leu	Thr	Leu
			20						25					30
Phe	Ile	Ser	Ala	Phe	Phe	Ala	Ser	Glu	Thr	Trp	Gln	Lys	Leu	Val
			35						40					45
Ser	Gln	Ser	Thr	Ala	Phe	Leu	Thr	Met	Cys	Gly	Val	Thr	Tyr	Ala
			50						55					60
Trp	Tyr	Met	Pro	Leu	Leu	Leu	Leu	Lys	Phe	Tyr	Ser	Leu	Leu	Leu
			65						70					75
Ala	Gln	Val	Leu	Leu	Asn	Pro	Phe	Leu	Met	Cys	Thr	Gly	Trp	Arg
			80						85					90
Lys	Asn	Tyr	Ser	Gln	His	Phe	Glu	Arg	Lys	Val	Phe	Arg	Asn	Asn
			95						100					105
Ile	Asn	Trp	His	Tyr										
			110											

<210> 11

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone No: 1675560

<400> 11

Met	Leu	Val	Thr	Asn	Ile	Thr	Val	Asn	Arg	Ser	Leu	Leu	His	Ala
1				5					10					15
Lys	Asp	Gln	Cys	Asp	Leu	Trp	Met	Glu	Met	Ile	Val	Met	Lys	Phe
			20						25					30
Leu	Phe	His	Gly	Ala	Val	Phe	Leu	Phe	Ile	Ser	Leu	Gly	Ser	Arg
			35						40					45
Phe	Ser	Glu	Ala	Val	Arg	Cys	Cys	Cys	Cys	Gly	Phe	Leu		
			50						55					

<210> 12

<211> 221

<212> PRT

<213> Homo sapiens

<220>

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<223> Incyte Clone No: 1687323

&lt;400&gt; 12

Met	Ala	Ala	Ser	Ser	Ile	Ser	Ser	Pro	Trp	Gly	Lys	His	Val	Phe
1				5					10					15
Lys	Ala	Ile	Leu	Met	Val	Leu	Val	Ala	Leu	Ile	Leu	Leu	His	Ser
			20						25					30
Ala	Leu	Ala	Gln	Ser	Arg	Arg	Asp	Phe	Ala	Pro	Pro	Gly	Gln	Gln
			35						40					45
Lys	Arg	Glu	Ala	Pro	Val	Asp	Val	Leu	Thr	Gln	Ile	Gly	Arg	Ser
			50						55					60
Val	Arg	Gly	Thr	Leu	Asp	Ala	Trp	Ile	Gly	Pro	Glu	Thr	Met	His
			65						70					75
Leu	Val	Ser	Glu	Ser	Ser	Ser	Gln	Val	Leu	Trp	Ala	Ile	Ser	Ser
			80						85					90
Ala	Ile	Ser	Val	Ala	Phe	Phe	Ala	Leu	Ser	Gly	Ile	Ala	Ala	Gln
			95						100					105
Leu	Leu	Asn	Ala	Leu	Gly	Leu	Ala	Gly	Asp	Tyr	Leu	Ala	Gln	Gly
			110						115					120
Leu	Lys	Leu	Ser	Pro	Gly	Gln	Val	Gln	Thr	Phe	Leu	Leu	Trp	Gly
			125						130					135
Ala	Gly	Ala	Leu	Val	Val	Tyr	Trp	Leu	Leu	Ser	Leu	Leu	Leu	Gly
			140						145					150
Leu	Val	Leu	Ala	Leu	Leu	Gly	Arg	Ile	Leu	Trp	Gly	Leu	Lys	Leu
			155						160					165
Val	Ile	Phe	Leu	Ala	Gly	Phe	Val	Ala	Leu	Met	Arg	Ser	Val	Pro
			170						175					180
Asp	Pro	Ser	Thr	Arg	Ala	Leu	Leu	Leu	Leu	Ala	Leu	Leu	Ile	Leu
			185						190					195
Tyr	Ala	Leu	Leu	Ser	Arg	Leu	Thr	Gly	Ser	Arg	Ala	Ser	Gly	Ala
			200						205					210
Gln	Leu	Glu	Ala	Lys	Val	Arg	Gly	Leu	Glu	Arg				
			215						220					

&lt;210&gt; 13

&lt;211&gt; 262

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 1692236

&lt;400&gt; 13

Met	Ala	Leu	Gly	Leu	Lys	Cys	Phe	Arg	Met	Val	His	Pro	Thr	Phe
1				5					10					15
Arg	Asn	Tyr	Leu	Ala	Ala	Ser	Ile	Arg	Pro	Val	Ser	Glu	Val	Thr
			20						25					30
Leu	Lys	Thr	Val	His	Glu	Arg	Gln	His	Gly	His	Arg	Gln	Tyr	Met
			35						40					45
Ala	Tyr	Ser	Ala	Val	Pro	Val	Arg	His	Phe	Ala	Thr	Lys	Lys	Ala
			50						55					60
Lys	Ala	Lys	Gly	Lys	Gly	Gln	Ser	Gln	Thr	Arg	Val	Asn	Ile	Asn
			65						70					75
Ala	Ala	Leu	Val	Glu	Asp	Ile	Ile	Asn	Leu	Glu	Glu	Val	Asn	Glu
			80						85					90

Glu Met Lys Ser Val Ile Glu Ala Leu Lys Asp Asn Phe Asn Leu  
 95 100 105  
 Thr Leu Asn Ile Arg Ala Ser Pro Gly Ser Leu Asp Lys Ile Ala  
 110 115 120  
 Val Val Thr Ala Asp Gly Lys Leu Ala Leu Asn Gln Ile Ser Gln  
 125 130 135  
 Ile Ser Met Lys Ser Pro Gln Leu Ile Leu Val Asn Met Ala Ser  
 140 145 150  
 Phe Pro Glu Cys Thr Ala Ala Ala Ile Lys Ala Ile Arg Glu Ser  
 155 160 165  
 Gly Met Asn Leu Asn Pro Glu Val Glu Gly Thr Leu Ile Arg Val  
 170 175 180  
 Pro Ile Pro Gln Val Thr Arg Glu His Arg Glu Met Leu Val Lys  
 185 190 195  
 Leu Ala Lys Gln Asn Thr Asn Lys Ala Lys Asp Ser Leu Arg Lys  
 200 205 210  
 Val Arg Thr Asn Ser Met Asn Lys Leu Lys Lys Ser Lys Asp Thr  
 215 220 225  
 Val Ser Glu Asp Thr Ile Arg Leu Ile Glu Lys Gln Ile Ser Gln  
 230 235 240  
 Met Ala Asp Asp Thr Val Ala Glu Leu Asp Arg His Leu Ala Val  
 245 250 255  
 Lys Thr Lys Glu Leu Leu Gly  
 260

<210> 14  
 <211> 90  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 1720847

<400> 14  
 Met Glu Ala Ala Met Glu Trp Glu Gly Gly Ala Ile Arg His Pro  
 1 5 10 15  
 Ser Thr Glu Leu Gly Ile Met Gly Ser Trp Phe Tyr Leu Phe Leu  
 20 25 30  
 Ala Pro Leu Phe Lys Gly Leu Ala Gly Ser Leu Pro Phe Gly Cys  
 35 40 45  
 Leu Ser Leu Leu Gln Pro Thr Glu Lys Thr Ala Leu Gln Arg Trp  
 50 55 60  
 Arg Val Phe Met Lys His Ser Cys Gln Glu Pro Arg His Arg Ala  
 65 70 75  
 Gly Gly Leu Glu Lys Gly Gly His Thr Gly Gly Gly Arg Ser Trp  
 80 85 90

<210> 15  
 <211> 208  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <223> Incyte Clone No: 1752821

<400> 15

Met	Ala	Ser	Ser	Leu	Leu	Ala	Gly	Glu	Arg	Leu	Val	Arg	Ala	Leu
1				5					10					15
Gly	Pro	Gly	Gly	Glu	Leu	Glu	Pro	Glu	Arg	Leu	Pro	Arg	Lys	Leu
				20					25					30
Arg	Ala	Glu	Leu	Glu	Ala	Ala	Leu	Gly	Lys	Lys	His	Lys	Gly	Gly
				35					40					45
Asp	Ser	Ser	Ser	Gly	Pro	Gln	Arg	Leu	Val	Ser	Phe	Arg	Leu	Ile
				50					55					60
Arg	Asp	Leu	His	Gln	His	Leu	Arg	Glu	Arg	Asp	Ser	Lys	Leu	Tyr
				65					70					75
Leu	His	Glu	Leu	Leu	Glu	Gly	Ser	Glu	Ile	Tyr	Leu	Pro	Glu	Val
				80					85					90
Val	Lys	Pro	Pro	Arg	Asn	Pro	Glu	Leu	Val	Ala	Arg	Leu	Glu	Lys
				95					100					105
Ile	Lys	Ile	Gln	Leu	Ala	Asn	Glu	Glu	Tyr	Lys	Arg	Ile	Thr	Arg
				110					115					120
Asn	Val	Thr	Cys	Gln	Asp	Thr	Arg	His	Gly	Gly	Thr	Leu	Ser	Asp
				125					130					135
Leu	Gly	Lys	Gln	Val	Arg	Ser	Leu	Lys	Ala	Leu	Val	Ile	Thr	Ile
				140					145					150
Phe	Asn	Phe	Ile	Val	Thr	Val	Val	Ala	Ala	Phe	Val	Cys	Thr	Tyr
				155					160					165
Leu	Gly	Ser	Gln	Tyr	Ile	Phe	Thr	Glu	Met	Ala	Ser	Arg	Val	Leu
				170					175					180
Ala	Ala	Leu	Ile	Val	Ala	Ser	Val	Val	Gly	Leu	Ala	Glu	Leu	Tyr
				185					190					195
Val	Met	Val	Arg	Ala	Met	Glu	Gly	Glu	Leu	Gly	Glu	Leu		
				200					205					

<210> 16  
 <211> 97  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <223> Incyte Clone No: 1810923

<400> 16

Met	Thr	Lys	Lys	Lys	Arg	Glu	Asn	Leu	Gly	Val	Ala	Leu	Glu	Ile
1				5					10					15
Asp	Gly	Leu	Glu	Glu	Lys	Leu	Ser	Gln	Cys	Arg	Arg	Asp	Leu	Glu
				20					25					30
Ala	Val	Asn	Ser	Arg	Leu	His	Ser	Arg	Glu	Leu	Ser	Pro	Glu	Ala
				35					40					45
Arg	Arg	Ser	Leu	Glu	Lys	Glu	Lys	Asn	Ser	Leu	Met	Asn	Lys	Ala
				50					55					60

Ser Asn Tyr Glu Lys Glu Leu Lys Phe Leu Arg Gln Glu Asn Arg  
 65 70 75  
 Lys Asn Met Leu Leu Ser Val Ala Ile Phe Ile Leu Leu Thr Leu  
 80 85 90  
 Val Tyr Ala Tyr Trp Thr Met  
 95

<210> 17

<211> 243

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone No: 1822315

<400> 17

Met Phe Phe Leu Ser Ser Ser Lys Leu Thr Lys Trp Lys Gly Glu  
 1 5 10 15  
 Val Lys Lys Arg Leu Asp Ser Glu Tyr Lys Glu Gly Gly Gln Arg  
 20 25 30  
 Asn Trp Val Gln Val Phe Cys Asn Gly Ala Val Pro Thr Glu Leu  
 35 40 45  
 Ala Leu Leu Tyr Met Ile Glu Asn Gly Pro Gly Glu Ile Pro Val  
 50 55 60  
 Asp Phe Ser Lys Gln Tyr Ser Ala Ser Trp Met Cys Leu Ser Leu  
 65 70 75  
 Leu Ala Ala Leu Ala Cys Ser Ala Gly Asp Thr Trp Ala Ser Glu  
 80 85 90  
 Val Gly Pro Val Leu Ser Lys Ser Ser Pro Arg Leu Ile Thr Thr  
 95 100 105  
 Trp Glu Lys Val Pro Val Gly Thr Asn Gly Gly Val Thr Val Val  
 110 115 120  
 Gly Leu Val Ser Ser Leu Leu Gly Gly Thr Phe Val Gly Ile Ala  
 125 130 135  
 Tyr Phe Leu Thr Gln Leu Ile Phe Val Asn Asp Leu Asp Ile Ser  
 140 145 150  
 Ala Pro Gln Trp Pro Ile Ile Ala Phe Gly Gly Leu Ala Gly Leu  
 155 160 165  
 Leu Gly Ser Ile Val Asp Ser Tyr Leu Gly Ala Thr Met Gln Tyr  
 170 175 180  
 Thr Gly Leu Asp Glu Ser Thr Gly Met Val Val Asn Ser Pro Thr  
 185 190 195  
 Asn Lys Ala Arg His Ile Ala Gly Lys Pro Ile Leu Asp Asn Asn  
 200 205 210  
 Ala Trp Ile Cys Phe Leu Leu Phe Leu Leu Pro Ser Cys Ser Gln  
 215 220 225  
 Leu Leu Leu Gly Val Phe Gly Pro Gly Gly Glu Leu Tyr Phe Ile  
 230 235 240  
 Ser Thr Gly

<210> 18

<211> 162



&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 1877777

&lt;400&gt; 18

Met	Leu	Gln	Thr	Ser	Asn	Tyr	Ser	Leu	Val	Leu	Ser	Leu	Gln	Phe
1				5					10					15
Leu	Leu	Leu	Ser	Tyr	Asp	Leu	Phe	Val	Asn	Ser	Phe	Ser	Glu	Leu
				20					25					30
Leu	Gln	Lys	Thr	Pro	Val	Ile	Gln	Leu	Val	Leu	Phe	Ile	Ile	Gln
				35					40					45
Asp	Ile	Ala	Val	Leu	Phe	Asn	Ile	Ile	Ile	Ile	Phe	Leu	Met	Phe
				50					55					60
Phe	Asn	Thr	Phe	Val	Phe	Gln	Ala	Gly	Leu	Val	Asn	Leu	Leu	Phe
				65					70					75
His	Lys	Phe	Lys	Gly	Thr	Ile	Ile	Leu	Thr	Ala	Val	Tyr	Phe	Ala
				80					85					90
Leu	Ser	Ile	Ser	Leu	His	Val	Trp	Val	Met	Asn	Leu	Arg	Trp	Lys
				95					100					105
Asn	Ser	Asn	Ser	Phe	Ile	Trp	Thr	Asp	Gly	Leu	Gln	Met	Leu	Phe
				110					115					120
Val	Phe	Gln	Arg	Leu	Ala	Ala	Val	Leu	Tyr	Cys	Tyr	Phe	Tyr	Lys
				125					130					135
Arg	Thr	Ala	Val	Arg	Leu	Gly	Asp	Pro	His	Phe	Tyr	Gln	Asp	Ser
				140					145					150
Leu	Trp	Leu	Arg	Lys	Glu	Phe	Met	Gln	Val	Arg	Arg			
				155					160					

&lt;210&gt; 19

&lt;211&gt; 470

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 1879819

&lt;400&gt; 19

Met	Leu	Ser	Pro	Ser	Pro	Gly	Lys	Gly	Pro	Pro	Pro	Ala	Val	Ala
1				5					10					15
Pro	Arg	Pro	Lys	Ala	Pro	Leu	Gln	Leu	Gly	Pro	Ser	Ser	Ser	Ile
				20					25					30
Lys	Glu	Lys	Gln	Gly	Pro	Leu	Leu	Asp	Leu	Phe	Gly	Gln	Lys	Leu
				35					40					45
Pro	Ile	Ala	His	Thr	Pro	Pro	Pro	Pro	Pro	Ala	Pro	Pro	Leu	Pro
				50					55					60
Leu	Pro	Glu	Asp	Pro	Gly	Thr	Leu	Ser	Ala	Glu	Arg	Arg	Cys	Leu
				65					70					75
Thr	Gln	Pro	Val	Glu	Asp	Gln	Gly	Val	Ser	Thr	Gln	Leu	Leu	Ala

80 85 90  
 Pro Ser Gly Ser Val Cys Phe Ser Tyr Thr Gly Thr Pro Trp Lys  
 95 100 105  
 Leu Phe Leu Arg Lys Glu Val Phe Tyr Pro Arg Glu Asn Phe Ser  
 110 115 120  
 His Pro Tyr Tyr Leu Arg Leu Leu Cys Glu Gln Ile Leu Arg Asp  
 125 130 135  
 Thr Phe Ser Glu Ser Cys Ile Arg Ile Ser Gln Asn Glu Arg Arg  
 140 145 150  
 Lys Met Lys Asp Leu Leu Gly Gly Leu Glu Val Asp Leu Asp Ser  
 155 160 165  
 Leu Thr Thr Thr Glu Asp Ser Val Lys Lys Arg Ile Val Val Ala  
 170 175 180  
 Ala Arg Asp Asn Trp Ala Asn Tyr Phe Ser Arg Phe Phe Pro Val  
 185 190 195  
 Ser Gly Glu Ser Gly Ser Asp Val Gln Leu Leu Ala Val Ser His  
 200 205 210  
 Arg Gly Leu Arg Leu Leu Lys Val Thr Gln Gly Pro Gly Leu Arg  
 215 220 225  
 Pro Asp Gln Leu Lys Ile Leu Cys Ser Tyr Ser Phe Ala Glu Val  
 230 235 240  
 Leu Gly Val Glu Cys Arg Gly Gly Ser Thr Leu Glu Leu Ser Leu  
 245 250 255  
 Lys Ser Glu Gln Leu Val Leu His Thr Ala Arg Ala Arg Ala Ile  
 260 265 270  
 Glu Ala Leu Val Glu Leu Phe Leu Asn Glu Leu Lys Lys Asp Ser  
 275 280 285  
 Gly Tyr Val Ile Ala Leu Arg Ser Tyr Ile Thr Asp Asn Cys Ser  
 290 295 300  
 Leu Leu Ser Phe His Arg Gly Asp Leu Ile Lys Leu Leu Pro Val  
 305 310 315  
 Cys His Pro Gly Ala Arg Leu Ala Val Trp Leu Cys Arg Gly Pro  
 320 325 330  
 Phe Arg Thr Leu Ser Cys Arg His Ser Ala Ala Gly Cys Arg Ser  
 335 340 345  
 Arg Leu Phe Leu Leu Gln Gly Ala Glu Glu Trp Leu Ala Gln Gly  
 350 355 360  
 Ser Ala Val Gln Arg Gly Thr Arg Ala Gly Ser Val Gly Gln Gly  
 365 370 375  
 Leu Arg Gly Glu Glu Asp Gly Arg Gly Thr Ser Arg Gly Lys Ala  
 380 385 390  
 Cys Leu Arg Leu Arg Lys Glu Arg Gly Leu Thr Thr Pro Glu Ala  
 395 400 405  
 Ala Met Arg Trp Asp His Pro Ala Val Arg Leu Leu Trp Leu Pro  
 410 415 420  
 Leu Cys Pro Leu Leu Met Ala Arg Leu Val Ser Pro Ala Arg Leu  
 425 430 435  
 Cys Thr Pro Cys Arg Gln Gly Leu Gly Trp Met Leu Leu Leu Cys  
 440 445 450  
 Pro Thr Trp Tyr Leu Val Gln Gly Cys Pro Ser Arg Cys Leu Ile  
 455 460 465  
 Asn Ser Ser Ser Leu  
 470

&lt;210&gt; 20

&lt;211&gt; 144

<212> PRT  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 1932945

<400> 20  
 Met Glu Arg Glu Gly Ser Gly Gly Ser Gly Gly Ser Ala Gly Leu  
 1 5 10 15  
 Leu Gln Gln Ile Leu Ser Leu Lys Val Val Pro Arg Val Gly Asn  
 20 25 30  
 Gly Thr Leu Cys Pro Asn Ser Thr Ser Leu Cys Ser Phe Pro Glu  
 35 40 45  
 Met Trp Tyr Gly Val Phe Leu Trp Ala Leu Val Ser Ser Leu Phe  
 50 55 60  
 Phe His Val Pro Ala Gly Leu Leu Ala Leu Phe Thr Leu Arg His  
 65 70 75  
 His Lys Tyr Gly Arg Phe Met Ser Val Ser Ile Leu Leu Met Gly  
 80 85 90  
 Ile Val Gly Pro Ile Thr Ala Gly Ile Leu Thr Ser Ala Ala Ile  
 95 100 105  
 Ala Gly Val Tyr Arg Ala Ala Gly Lys Glu Met Ile Pro Phe Glu  
 110 115 120  
 Ala Leu Thr Leu Gly Thr Gly Gln Thr Phe Cys Val Leu Val Val  
 125 130 135  
 Ser Phe Leu Arg Ile Leu Ala Thr Leu  
 140

<210> 21  
 <211> 221  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 2061026

<400> 21  
 Met Ala Leu Ala Leu Ala Ala Leu Ala Ala Val Glu Pro Ala Cys  
 1 5 10 15  
 Gly Ser Arg Tyr Gln Gln Leu Gln Asn Glu Glu Glu Ser Gly Glu  
 20 25 30  
 Pro Glu Gln Ala Ala Gly Asp Ala Pro Pro Pro Tyr Ser Ser Ile  
 35 40 45  
 Ser Ala Glu Ser Ala Ala Tyr Phe Asp Tyr Lys Asp Glu Ser Gly  
 50 55 60  
 Phe Pro Lys Pro Pro Ser Tyr Asn Val Ala Thr Thr Leu Pro Ser  
 65 70 75  
 Tyr Asp Glu Ala Glu Arg Thr Lys Ala Glu Ala Thr Ile Pro Leu  
 80 85 90  
 Val Pro Gly Arg Asp Glu Asp Phe Val Gly Arg Asp Asp Phe Asp  
 95 100 105  
 Asp Ala Asp Gln Leu Arg Ile Gly Asn Asp Gly Ile Phe Met Leu

	110		115		120
Thr Phe Phe Met	Ala Phe Leu Phe Asn	Trp Ile Gly Phe Phe	Leu		
	125		130		135
Ser Phe Cys Leu	Thr Thr Ser Ala Ala	Gly Arg Tyr Gly Ala	Ile		
	140		145		150
Ser Gly Phe Gly	Leu Ser Leu Ile Lys	Trp Ile Leu Ile Val	Arg		
	155		160		165
Phe Ser Thr Tyr	Phe Pro Gly Tyr Phe	Asp Gly Gln Tyr Trp	Leu		
	170		175		180
Trp Trp Val Phe	Leu Val Leu Gly Phe	Leu Leu Phe Leu Arg	Gly		
	185		190		195
Phe Ile Asn Tyr	Ala Lys Val Arg Lys	Met Pro Glu Thr Phe	Ser		
	200		205		210
Asn Leu Pro Arg	Thr Arg Val Leu Phe	Ile Tyr			
	215		220		

&lt;210&gt; 22

&lt;211&gt; 688

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 2096687

&lt;400&gt; 22

Met Ser Ala Glu Ser Gly Pro Gly Thr Arg	Leu Arg Asn Leu Pro
1 5 10	15
Val Met Gly Asp Gly Leu Glu Thr Ser Gln Met Ser Thr Thr Gln	
20 25	30
Ala Gln Ala Gln Pro Gln Pro Ala Asn Ala Ala Ser Thr Asn Pro	
35 40	45
Pro Pro Pro Glu Thr Ser Asn Pro Asn Lys Pro Lys Arg Gln Thr	
50 55	60
Asn Gln Leu Gln Tyr Leu Leu Arg Val Val Leu Lys Thr Leu Trp	
65 70	75
Lys His Gln Phe Ala Trp Pro Phe Gln Gln Pro Val Asp Ala Val	
80 85	90
Lys Leu Asn Leu Pro Asp Tyr Tyr Lys Ile Ile Lys Thr Pro Met	
95 100	105
Asp Met Gly Thr Ile Lys Lys Arg Leu Glu Asn Asn Tyr Tyr Trp	
110 115	120
Asn Ala Gln Glu Cys Ile Gln Asp Phe Asn Thr Met Phe Thr Asn	
125 130	135
Cys Tyr Ile Tyr Asn Lys Pro Gly Asp Asp Ile Val Leu Met Ala	
140 145	150
Glu Ala Leu Glu Lys Leu Phe Leu Gln Lys Ile Asn Glu Leu Pro	
155 160	165
Thr Glu Glu Thr Glu Ile Met Ile Val Gln Ala Lys Gly Arg Gly	
170 175	180
Arg Gly Arg Lys Glu Thr Gly Thr Ala Lys Pro Gly Val Ser Thr	
185 190	195
Val Pro Asn Thr Thr Gln Ala Ser Thr Pro Pro Gln Thr Gln Thr	

Pro Gln Pro Asn	200	Pro Pro Pro Val Gln	205	Ala Thr Pro His Pro	210
	215		220		225
Pro Ala Val Thr	230	Pro Asp Leu Ile Val	235	Gln Thr Pro Val Met	240
	245		250		255
Val Val Pro Pro	260	Gln Pro Leu Gln Thr	265	Pro Pro Pro Val Pro	270
	275		280		285
Gln Pro Gln Pro	290	Pro Pro Ala Pro Ala	295	Pro Gln Pro Val Gln	300
	305		310		315
His Pro Pro Ile	320	Ile Ala Ala Thr Pro	325	Gln Pro Val Lys Thr	330
	335		340		345
Lys Gly Val Lys	350	Arg Lys Ala Asp Thr	355	Thr Thr Pro Thr Thr	360
	365		370		375
Asp Pro Ile His	380	Glu Pro Pro Ser Leu	385	Pro Pro Glu Pro Lys	390
	395		400		405
Thr Lys Leu Gly	410	Gln Arg Arg Glu Ser	415	Ser Arg Pro Val Lys	420
	425		430		435
Pro Lys Lys Asp	440	Val Pro Asp Ser Gln	445	Gln His Pro Ala Pro	450
	455		460		465
Lys Ser Ser Lys	470	Val Ser Glu Gln Leu	475	Lys Cys Cys Ser Gly	480
	485		490		495
Leu Lys Glu Met	500	Phe Ala Lys Lys His	505	Ala Ala Tyr Ala Trp	510
	515		520		525
Phe Tyr Lys Pro	530	Val Asp Val Glu Ala	535	Leu Gly Leu His Asp	540
	545		550		555
Cys Asp Ile Ile	560	Lys His Pro Met Asp	565	Met Ser Thr Ile Lys	570
	575		580		585
Lys Leu Glu Ala	590	Arg Glu Tyr Arg Asp	595	Ala Gln Glu Phe Gly	600
	605		610		615
Asp Val Arg Leu	620	Met Phe Ser Asn Cys	625	Tyr Lys Tyr Asn Pro	630
Asp His Glu Val		Val Ala Met Ala Arg		Lys Leu Gln Asp Val	
Glu Met Arg Phe		Ala Lys Met Pro Asp		Glu Pro Glu Glu Pro	
Val Ala Val Ser		Ser Pro Ala Val Pro		Pro Pro Thr Lys Val	
Ala Pro Pro Ser		Ser Ser Asp Ser Ser		Ser Asp Ser Ser Ser	
Ser Asp Ser Ser		Thr Asp Asp Ser Glu		Glu Glu Arg Ala Gln	
Leu Ala Glu Leu		Gln Glu Gln Leu Lys		Ala Val His Glu Gln	
Ala Ala Leu Ser		Gln Pro Gln Gln Asn		Lys Pro Lys Lys Lys	
Lys Asp Lys Lys		Glu Lys Lys Lys Glu		Lys His Lys Arg Lys	
Glu Val Glu Glu		Asn Lys Lys Ser Lys		Ala Lys Glu Pro Pro	
Lys Lys Thr Lys		Lys Asn Asn Ser Ser		Asn Ser Asn Val Ser	
Lys Glu Pro Ala		Pro Met Lys Ser Lys		Pro Pro Pro Thr Tyr	
Ser Glu Glu Glu		Asp Lys Cys Lys Pro		Met Ser Tyr Glu Glu	
Arg Gln Leu Ser		Leu Asp Ile Asn Lys		Leu Pro Gly Glu Lys	

Gly	Arg	Val	Val	His	Ile	Ile	Gln	Ser	Arg	Glu	Pro	Ser	Leu	Lys
				635						640				645
Asn	Ser	Asn	Pro	Asp	Glu	Ile	Glu	Ile	Asp	Phe	Glu	Thr	Leu	Lys
				650						655				660
Pro	Ser	Thr	Leu	Arg	Glu	Leu	Gly	Ala	Leu	Cys	His	Leu	Leu	Phe
				665						670				675
Ala	Glu	Glu	Lys	Glu	Thr	Phe	Lys	Leu	Arg	Lys	Leu	Met		
				680						685				

&lt;210&gt; 23

&lt;211&gt; 439

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 2100530

&lt;400&gt; 23

Met	Gly	Ser	Gln	Glu	Val	Leu	Gly	His	Ala	Ala	Arg	Leu	Ala	Ser
1				5					10					15
Ser	Gly	Leu	Leu	Leu	Gln	Val	Leu	Phe	Arg	Leu	Ile	Thr	Phe	Val
				20					25					30
Leu	Asn	Ala	Phe	Ile	Leu	Arg	Phe	Leu	Ser	Lys	Glu	Ile	Val	Gly
				35					40					45
Val	Val	Asn	Val	Arg	Leu	Thr	Leu	Leu	Tyr	Ser	Thr	Thr	Leu	Phe
				50					55					60
Leu	Ala	Arg	Glu	Ala	Phe	Arg	Arg	Ala	Cys	Leu	Ser	Gly	Gly	Thr
				65					70					75
Gln	Arg	Asp	Trp	Ser	Gln	Thr	Leu	Asn	Leu	Leu	Trp	Leu	Thr	Val
				80					85					90
Pro	Leu	Gly	Val	Phe	Trp	Ser	Leu	Phe	Leu	Gly	Trp	Ile	Trp	Leu
				95					100					105
Gln	Leu	Leu	Glu	Val	Pro	Asp	Pro	Asn	Val	Val	Pro	His	Tyr	Ala
				110					115					120
Thr	Gly	Val	Val	Leu	Phe	Gly	Leu	Ser	Ala	Val	Val	Glu	Leu	Leu
				125					130					135
Gly	Glu	Pro	Phe	Trp	Val	Leu	Ala	Gln	Ala	His	Met	Phe	Val	Lys
				140					145					150
Leu	Lys	Val	Ile	Ala	Glu	Ser	Leu	Ser	Val	Ile	Leu	Lys	Ser	Val
				155					160					165
Leu	Thr	Ala	Phe	Leu	Val	Leu	Trp	Leu	Pro	His	Trp	Gly	Leu	Tyr
				170					175					180
Ile	Phe	Ser	Leu	Ala	Gln	Leu	Phe	Tyr	Thr	Thr	Val	Leu	Val	Leu
				185					190					195
Cys	Tyr	Val	Ile	Tyr	Phe	Thr	Lys	Leu	Leu	Gly	Ser	Pro	Glu	Ser
				200					205					210
Thr	Lys	Leu	Gln	Thr	Leu	Pro	Val	Ser	Arg	Ile	Thr	Asp	Leu	Leu
				215					220					225
Pro	Asn	Ile	Thr	Arg	Asn	Gly	Ala	Phe	Ile	Asn	Trp	Lys	Glu	Ala

230 235 240  
 Lys Leu Thr Trp Ser Phe Phe Lys Gln Ser Phe Leu Lys Gln Ile  
 245 250 255  
 Leu Thr Glu Gly Glu Arg Tyr Val Met Thr Phe Leu Asn Val Leu  
 260 265 270  
 Asn Phe Gly Asp Gln Gly Val Tyr Asp Ile Val Asn Asn Leu Gly  
 275 280 285  
 Ser Leu Val Ala Arg Leu Ile Phe Gln Pro Ile Glu Glu Ser Phe  
 290 295 300  
 Tyr Ile Phe Phe Ala Lys Val Leu Glu Arg Gly Lys Asp Ala Thr  
 305 310 315  
 Leu Gln Lys Gln Glu Asp Val Ala Val Ala Ala Ala Val Leu Glu  
 320 325 330  
 Ser Leu Leu Lys Leu Ala Leu Leu Ala Gly Leu Thr Ile Thr Val  
 335 340 345  
 Phe Gly Phe Ala Tyr Ser Gln Leu Ala Leu Asp Ile Tyr Gly Gly  
 350 355 360  
 Thr Met Leu Ser Ser Gly Ser Gly Pro Val Leu Leu Arg Ser Tyr  
 365 370 375  
 Cys Leu Tyr Val Leu Leu Leu Ala Ile Asn Gly Val Thr Glu Cys  
 380 385 390  
 Phe Thr Phe Ala Ala Met Ser Lys Glu Glu Val Asp Arg Tyr Ser  
 395 400 405  
 Ser Ala Val Ser Arg Ala Gly Gln Pro Asp Trp His Thr Leu Leu  
 410 415 420  
 Trp Gly Pro Ser Val Trp Glu Gln Leu Ser Gly Gln His Xaa Ser  
 425 430 435  
 Gln Arg Pro Ser

&lt;210&gt; 24

&lt;211&gt; 192

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 2357636

&lt;400&gt; 24

Met Thr Ala Val Gly Val Gln Ala Gln Arg Pro Leu Gly Gln Arg  
 1 5 10 15  
 Gln Pro Arg Arg Ser Phe Phe Glu Ser Phe Ile Arg Thr Leu Ile  
 20 25 30  
 Ile Thr Cys Val Ala Leu Ala Val Val Leu Ser Ser Val Ser Ile  
 35 40 45  
 Cys Asp Gly His Trp Leu Leu Ala Glu Asp Arg Leu Phe Gly Leu  
 50 55 60  
 Trp His Phe Cys Thr Thr Thr Asn Gln Ser Val Pro Ile Cys Phe  
 65 70 75  
 Arg Asp Leu Gly Gln Ala His Val Pro Gly Leu Ala Val Gly Met  
 80 85 90  
 Gly Leu Val Arg Ser Val Gly Ala Leu Ala Val Val Ala Ala Ile  
 95 100 105  
 Phe Gly Leu Glu Phe Leu Met Val Ser Gln Leu Cys Glu Asp Lys

110 115 120  
 His Ser Gln Cys Lys Trp Val Met Gly Ser Ile Leu Leu Leu Val  
 125 130 135  
 Ser Phe Val Leu Ser Ser Gly Gly Leu Leu Gly Phe Val Ile Leu  
 140 145 150  
 Leu Arg Asn Gln Val Thr Leu Ile Gly Phe Thr Leu Met Phe Trp  
 155 160 165  
 Cys Glu Phe Thr Ala Ser Phe Leu Leu Phe Leu Asn Ala Ile Ser  
 170 175 180  
 Gly Leu His Ile Asn Ser Ile Thr His Pro Trp Glu  
 185 190

<210> 25  
 <211> 175  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 2365230

<400> 25  
 Met Lys Glu Val Thr Arg Thr Trp Lys Ile Val Gly Gly Val Thr  
 1 5 10 15  
 His Ala Asn Ser Tyr Tyr Lys Asn Gly Trp Ile Val Met Ile Ala  
 20 25 30  
 Ile Gly Trp Ala Arg Gly Ala Gly Gly Thr Ile Ile Thr Asn Phe  
 35 40 45  
 Glu Arg Leu Val Lys Gly Asp Trp Lys Pro Glu Gly Asp Glu Trp  
 50 55 60  
 Leu Lys Met Ser Tyr Pro Ala Lys Val Thr Leu Leu Gly Ser Val  
 65 70 75  
 Ile Phe Thr Phe Gln His Thr Gln His Leu Ala Ile Ser Lys His  
 80 85 90  
 Asn Leu Met Phe Leu Tyr Thr Ile Phe Ile Val Ala Thr Lys Ile  
 95 100 105  
 Thr Met Met Thr Thr Gln Thr Ser Thr Met Thr Phe Ala Pro Phe  
 110 115 120  
 Glu Asp Thr Leu Ser Trp Met Leu Phe Gly Trp Gln Gln Pro Phe  
 125 130 135  
 Ser Ser Cys Glu Lys Lys Ser Glu Ala Lys Ser Pro Ser Asn Gly  
 140 145 150  
 Val Gly Ser Leu Ala Ser Lys Pro Val Asp Val Ala Ser Asp Asn  
 155 160 165  
 Val Lys Lys Lys His Thr Lys Lys Asn Glu  
 170 175

<210> 26  
 <211> 91  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 2455121



&lt;400&gt; 26

Met	Tyr	Pro	Pro	Pro	Pro	Pro	Pro	Pro	His	Arg	Asp	Phe	Ile	Ser
1				5					10					15
Val	Thr	Leu	Ser	Phe	Gly	Glu	Ser	Tyr	Asp	Asn	Ser	Lys	Ser	Trp
				20					25					30
Arg	Arg	Arg	Ser	Cys	Trp	Arg	Lys	Trp	Lys	Gln	Leu	Ser	Arg	Leu
				35					40					45
Gln	Arg	Asn	Met	Ile	Leu	Phe	Leu	Leu	Ala	Phe	Leu	Leu	Phe	Cys
				50					55					60
Gly	Leu	Leu	Phe	Tyr	Ile	Asn	Leu	Ala	Asp	His	Trp	Lys	Ala	Leu
				65					70					75
Ala	Phe	Arg	Leu	Gly	Glu	Glu	Gln	Lys	Met	Arg	Pro	Glu	Ile	Ala
				80					85					90
Gly														

&lt;210&gt; 27

&lt;211&gt; 214

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 2472514

&lt;400&gt; 27

Met	Gln	Pro	Thr	Ser	Trp	Ala	Val	Ser	Cys	Gly	Leu	Arg	Pro	Leu
1				5					10					15
Pro	Ser	Trp	Lys	Pro	Gln	Gly	Gly	Glu	Gly	Arg	Gly	Gly	Glu	Glu
				20					25					30
Arg	Arg	Gly	Thr	Val	Met	Gly	Pro	Trp	Ser	Arg	Val	Arg	Val	Ala
				35					40					45
Lys	Cys	Gln	Met	Leu	Val	Thr	Cys	Phe	Phe	Ile	Leu	Leu	Leu	Gly
				50					55					60
Leu	Ser	Val	Ala	Thr	Met	Val	Thr	Leu	Thr	Tyr	Phe	Gly	Ala	His
				65					70					75
Phe	Ala	Val	Ile	Arg	Arg	Ala	Ser	Leu	Glu	Lys	Asn	Pro	Tyr	Gln
				80					85					90
Ala	Val	His	Gln	Trp	Ala	Phe	Ser	Ala	Gly	Leu	Ser	Leu	Val	Gly
				95					100					105
Leu	Leu	Thr	Leu	Gly	Ala	Val	Leu	Ser	Ala	Ala	Ala	Thr	Val	Arg
				110					115					120
Glu	Ala	Gln	Gly	Leu	Met	Ala	Gly	Gly	Phe	Leu	Cys	Phe	Ser	Leu
				125					130					135
Ala	Phe	Cys	Ala	Gln	Val	Gln	Val	Val	Phe	Trp	Arg	Leu	His	Ser
				140					145					150
Pro	Thr	Gln	Val	Glu	Asp	Ala	Met	Leu	Asp	Thr	Tyr	Asp	Leu	Val
				155					160					165
Tyr	Glu	Gln	Ala	Met	Lys	Gly	Thr	Ser	His	Val	Arg	Arg	Gln	Glu
				170					175					180
Leu	Ala	Ala	Ile	Gln	Asp	Val	Val	Ser	Val	Gly	Thr	Ala	Gly	Trp
				185					190					195
Gln	Gly	Gly	Gln	Leu	Leu	Leu	Gly	Leu	Gln	Phe	Arg	Glu	Gln	Ala

Gln Gly Gly Gln 200 205 210

<210> 28  
 <211> 250  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 2543486

<400> 28  
 Met Ser Val Ile Phe Phe Ala Cys Val Val Arg Val Arg Asp Gly  
 1 5 10 15  
 Leu Pro Leu Ser Ala Ser Thr Asp Phe Tyr His Thr Gln Asp Phe  
 20 25 30  
 Leu Glu Trp Arg Arg Arg Leu Lys Ser Leu Ala Leu Arg Leu Ala  
 35 40 45  
 Gln Tyr Pro Gly Arg Gly Ser Ala Glu Gly Cys Asp Phe Ser Ile  
 50 55 60  
 His Phe Ser Ser Phe Gly Asp Val Ala Cys Met Ala Ile Cys Ser  
 65 70 75  
 Cys Gln Cys Pro Ala Ala Met Ala Phe Cys Phe Leu Glu Thr Leu  
 80 85 90  
 Trp Trp Glu Phe Thr Ala Ser Tyr Asp Thr Thr Cys Ile Gly Leu  
 95 100 105  
 Ala Ser Arg Pro Tyr Ala Phe Leu Glu Phe Asp Ser Ile Ile Gln  
 110 115 120  
 Lys Val Lys Trp His Phe Asn Tyr Val Ser Ser Ser Gln Met Glu  
 125 130 135  
 Cys Ser Leu Glu Lys Ile Gln Glu Glu Lys Leu Gln Pro Pro  
 140 145 150  
 Ala Val Leu Thr Leu Glu Asp Thr Asp Val Ala Asn Gly Val Met  
 155 160 165  
 Asn Gly His Thr Pro Met His Leu Glu Pro Ala Pro Asn Phe Arg  
 170 175 180  
 Met Glu Pro Val Thr Ala Leu Gly Ile Leu Ser Leu Ile Leu Asn  
 185 190 195  
 Ile Met Cys Ala Ala Leu Asn Leu Ile Arg Gly Val His Leu Ala  
 200 205 210  
 Glu His Ser Leu Gln Val Ala His Glu Glu Ile Gly Asn Ile Leu  
 215 220 225  
 Ala Phe Leu Val Pro Phe Val Ala Cys Ile Phe Gln Asp Pro Arg  
 230 235 240  
 Ser Trp Phe Cys Trp Leu Asp Gln Thr Ser  
 245 250

<210> 29  
 <211> 84  
 <212> PRT  
 <213> Homo sapiens

<220>

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 2778171

&lt;400&gt; 29

```

Met Ala Thr Gly Thr Asp Gln Val Val Gly Leu Gly Leu Val Ala
 1              5              10              15
Val Ser Leu Ile Ile Phe Thr Tyr Tyr Thr Ala Trp Val Ile Leu
              20              25              30
Leu Pro Phe Ile Asp Ser Gln His Val Ile His Lys Tyr Phe Leu
              35              40              45
Pro Arg Ala Tyr Ala Val Ala Ile Pro Leu Ala Ala Gly Leu Leu
              50              55              60
Leu Leu Leu Phe Val Gly Leu Phe Ile Ser Tyr Val Met Leu Lys
              65              70              75
Ser Lys Arg Val Thr Lys Lys Ala Gln
              80

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&lt;210&gt; 30

&lt;211&gt; 277

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 2799575

&lt;400&gt; 30

```

Met Ala Ser Ala Glu Leu Asp Tyr Thr Ile Glu Ile Pro Asp Gln
 1              5              10              15
Pro Cys Trp Ser Gln Lys Asn Ser Pro Ser Pro Gly Gly Lys Glu
              20              25              30
Ala Glu Thr Arg Gln Pro Val Val Ile Leu Leu Gly Trp Gly Gly
              35              40              45
Cys Lys Asp Lys Asn Leu Ala Lys Tyr Ser Ala Ile Tyr His Lys
              50              55              60
Arg Gly Cys Ile Val Ile Arg Tyr Thr Ala Pro Trp His Met Val
              65              70              75
Phe Phe Ser Glu Ser Leu Gly Ile Pro Ser Leu Arg Val Leu Ala
              80              85              90
Gln Lys Leu Leu Glu Leu Leu Phe Asp Tyr Glu Ile Glu Lys Glu
              95              100             105
Pro Leu Leu Phe His Val Phe Ser Asn Gly Gly Val Met Leu Tyr
              110             115             120
Arg Tyr Val Leu Glu Leu Leu Gln Thr Arg Arg Phe Cys Arg Leu
              125             130             135
Arg Val Val Gly Thr Ile Phe Asp Ser Ala Pro Gly Asp Ser Asn
              140             145             150
Leu Val Gly Ala Leu Arg Ala Leu Ala Ala Ile Leu Glu Arg Arg
              155             160             165
Ala Ala Met Leu Arg Leu Leu Leu Leu Val Ala Phe Ala Leu Val
              170             175             180
Val Val Leu Phe His Val Leu Leu Ala Pro Ile Thr Ala Leu Phe
              185             190             195
His Thr His Phe Tyr Asp Arg Leu Gln Asp Ala Gly Ser Arg Trp

```

Pro Glu Leu Tyr	200	205	210
Leu Tyr Ser Arg Ala Asp Glu Val Val Leu Ala			
Arg Asp Ile Glu Arg Met Val Glu Ala Arg Leu Ala Arg Arg Val	215	220	225
Leu Ala Arg Ser Val Asp Phe Val Ser Ser Ala His Val Ser His	230	235	240
Leu Arg Asp Tyr Pro Thr Tyr Tyr Thr Ser Leu Cys Val Asp Phe	245	250	255
Met Arg Asn Cys Val Arg Cys	260	265	270
	275		

&lt;210&gt; 31

&lt;211&gt; 273

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 2804955

&lt;400&gt; 31

Met Ser Gly Ser Gln Ser Glu Val Ala	Pro Ser Pro Gln Ser Pro
1 5	10 15
Arg Ser Pro Glu Met Gly Arg Asp Leu Arg	Pro Gly Ser Arg Val
20 25	30
Leu Leu Leu Leu Leu Leu Leu Leu	Tyr Leu Thr Gln Pro
35 40	45
Gly Asn Gly Asn Glu Gly Ser Val Thr	Gly Ser Cys Tyr Cys Gly
50 55	60
Lys Arg Ile Ser Ser Asp Ser Pro Pro	Ser Val Gln Phe Met Asn
65 70	75
Arg Leu Arg Lys His Leu Arg Ala Tyr	His Arg Cys Leu Tyr Tyr
80 85	90
Thr Arg Phe Gln Leu Leu Ser Trp Ser	Val Cys Gly Gly Asn Lys
95 100	105
Asp Pro Trp Val Gln Glu Leu Met Ser	Cys Leu Asp Leu Lys Glu
110 115	120
Cys Gly His Ala Tyr Ser Gly Ile Val	Ala His Gln Lys His Leu
125 130	135
Leu Pro Thr Ser Pro Pro Ile Ser Gln	Ala Ser Glu Gly Ala Ser
140 145	150
Ser Asp Ile His Thr Pro Ala Gln Met	Leu Leu Ser Thr Leu Gln
155 160	165
Ser Thr Gln Arg Pro Thr Leu Pro Val	Gly Ser Leu Ser Ser Asp
170 175	180
Lys Glu Leu Thr Arg Pro Asn Glu Thr	Thr Ile His Thr Ala Gly
185 190	195
His Ser Leu Ala Ala Gly Pro Glu Ala	Gly Glu Asn Gln Lys Gln
200 205	210
Pro Glu Lys Asn Ala Gly Pro Thr Ala	Arg Thr Ser Ala Thr Val
215 220	225
Pro Val Leu Cys Leu Leu Ala Ile Ile	Phe Ile Leu Thr Ala Ala

	230		235		240
Leu Ser Tyr Val	Leu Cys Lys Arg Arg	Arg Gly Gln Ser Pro	Gln		
	245		250		255
Ser Ser Pro Asp	Leu Pro Val His Tyr	Ile Pro Val Ala Pro	Asp		
	260		265		270
Ser Asn Thr					

&lt;210&gt; 32

&lt;211&gt; 524

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 2806395

&lt;400&gt; 32

Met Ser Gln Gly Ser Pro Gly Asp Trp Ala Pro Leu Asp Pro Thr		
1	5	10 15
Pro Gly Pro Pro Ala Ser Pro Asn Pro Phe Val His Glu Leu His		
	20	25 30
Leu Ser Arg Leu Gln Arg Val Lys Phe Cys Leu Leu Gly Ala Leu		
	35	40 45
Leu Ala Pro Ile Arg Val Leu Leu Ala Phe Ile Val Leu Phe Leu		
	50	55 60
Leu Trp Pro Phe Ala Trp Leu Gln Val Ala Gly Leu Ser Glu Glu		
	65	70 75
Gln Leu Gln Glu Pro Ile Thr Gly Trp Arg Lys Thr Val Cys His		
	80	85 90
Asn Gly Val Leu Gly Leu Ser Arg Leu Leu Phe Phe Leu Leu Gly		
	95	100 105
Phe Leu Arg Ile Arg Val Arg Gly Gln Arg Ala Ser Arg Leu Gln		
	110	115 120
Ala Pro Val Leu Val Ala Ala Pro His Ser Thr Phe Phe Asp Pro		
	125	130 135
Ile Val Leu Leu Pro Cys Asp Leu Pro Lys Val Val Ser Arg Ala		
	140	145 150
Glu Asn Leu Ser Val Pro Val Ile Gly Ala Leu Leu Arg Phe Asn		
	155	160 165
Gln Ala Ile Leu Val Ser Arg His Asp Pro Ala Ser Arg Arg Arg		
	170	175 180
Val Val Glu Glu Val Arg Arg Arg Ala Thr Ser Gly Gly Lys Trp		
	185	190 195
Pro Gln Val Leu Phe Phe Pro Glu Gly Thr Cys Ser Asn Lys Lys		
	200	205 210
Ala Leu Leu Lys Phe Lys Pro Gly Ala Phe Ile Ala Gly Val Pro		
	215	220 225
Val Gln Pro Val Leu Ile Arg Tyr Pro Asn Ser Leu Asp Thr Thr		
	230	235 240
Ser Trp Ala Trp Arg Gly Pro Gly Val Leu Lys Val Leu Trp Leu		
	245	250 255
Thr Ala Ser Gln Pro Cys Ser Ile Val Asp Val Glu Phe Leu Pro		
	260	265 270
Val Tyr His Pro Ser Pro Glu Glu Ser Arg Asp Pro Thr Leu Tyr		
	275	280 285

Ala Asn Asn Val Gln Arg Val Met Ala Gln Ala Leu Gly Ile Pro  
 290 295 300  
 Ala Thr Glu Cys Glu Phe Val Gly Ser Leu Pro Val Ile Val Val  
 305 310 315  
 Gly Arg Leu Lys Val Ala Leu Glu Pro Gln Leu Trp Glu Leu Gly  
 320 325 330  
 Lys Val Leu Arg Lys Ala Gly Leu Ser Ala Gly Tyr Val Asp Ala  
 335 340 345  
 Gly Ala Glu Pro Gly Arg Ser Arg Met Ile Ser Gln Glu Glu Phe  
 350 355 360  
 Ala Arg Gln Leu Gln Leu Ser Asp Pro Gln Thr Val Ala Gly Ala  
 365 370 375  
 Phe Gly Tyr Phe Gln Gln Asp Thr Lys Gly Leu Val Asp Phe Arg  
 380 385 390  
 Asp Val Ala Leu Ala Leu Ala Ala Leu Asp Gly Gly Arg Ser Leu  
 395 400 405  
 Glu Glu Leu Thr Arg Leu Ala Phe Glu Leu Phe Ala Glu Glu Gln  
 410 415 420  
 Ala Glu Gly Pro Asn Arg Leu Leu Tyr Lys Asp Gly Phe Ser Thr  
 425 430 435  
 Ile Leu His Leu Leu Leu Gly Ser Pro His Pro Ala Ala Thr Ala  
 440 445 450  
 Leu His Ala Glu Leu Cys Gln Ala Gly Ser Ser Gln Gly Leu Ser  
 455 460 465  
 Leu Cys Gln Phe Gln Asn Phe Ser Leu His Asp Pro Leu Tyr Gly  
 470 475 480  
 Lys Leu Phe Ser Thr Tyr Leu Arg Pro Pro His Thr Ser Arg Gly  
 485 490 495  
 Thr Ser Gln Thr Pro Asn Ala Ser Ser Pro Gly Asn Pro Thr Ala  
 500 505 510  
 Leu Ala Asn Gly Thr Val Gln Ala Pro Lys Gln Lys Gly Asp  
 515 520

&lt;210&gt; 33

&lt;211&gt; 257

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 2836858

&lt;400&gt; 33

Met Asp Phe Ser Arg Leu His Met Tyr Ser Pro Pro Gln Cys Val  
 1 5 10 15  
 Pro Glu Asn Thr Gly Tyr Thr Tyr Ala Leu Ser Ser Ser Tyr Ser  
 20 25 30  
 Ser Asp Ala Leu Asp Phe Glu Thr Glu His Lys Leu Asp Pro Val  
 35 40 45  
 Phe Asp Ser Pro Arg Met Ser Arg Arg Ser Leu Arg Leu Ala Thr  
 50 55 60  
 Thr Ala Cys Thr Leu Gly Asp Gly Glu Ala Val Gly Ala Asp Ser  
 65 70 75  
 Gly Thr Ser Ser Ala Val Ser Leu Lys Asn Arg Ala Ala Arg Thr  
 80 85 90

Thr Lys Gln Arg Arg Ser Thr Asn Lys Ser Ala Phe Ser Ile Asn  
 95 100 105  
 His Val Ser Arg Gln Val Thr Ser Ser Gly Val Ser His Gly Gly  
 110 115 120  
 Thr Val Ser Leu Gln Asp Ala Val Thr Arg Arg Pro Pro Val Leu  
 125 130 135  
 Asp Glu Ser Trp Ile Arg Glu Gln Thr Thr Val Asp His Phe Trp  
 140 145 150  
 Gly Leu Asp Asp Asp Gly Asp Leu Lys Gly Gly Asn Lys Ala Ala  
 155 160 165  
 Ile Gln Gly Asn Gly Asp Val Gly Ala Ala Ala Ala Thr Ala His  
 170 175 180  
 Asn Gly Phe Ser Cys Ser Asn Cys Ser Met Leu Ser Glu Arg Lys  
 185 190 195  
 Asp Val Leu Thr Ala His Pro Ala Ala Pro Gly Pro Val Ser Arg  
 200 205 210  
 Val Tyr Ser Arg Asp Arg Asn Gln Lys Cys Lys Ser Gln Ser Phe  
 215 220 225  
 Lys Thr Gln Lys Lys Val Cys Phe Pro Asn Leu Ile Phe Pro Phe  
 230 235 240  
 Cys Lys Ser Gln Cys Leu His Tyr Leu Ser Trp Arg Leu Lys Ile  
 245 250 255  
 Ile Pro

<210> 34

<211> 274

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone No: 2844513

<400> 34

Met Arg Ala Ala Gly Val Gly Leu Val Asp Cys His Cys His Leu  
 1 5 10 15  
 Ser Ala Pro Asp Phe Asp Arg Asp Leu Asp Asp Val Leu Glu Lys  
 20 25 30  
 Ala Lys Lys Ala Asn Val Val Ala Leu Val Ala Val Ala Glu His  
 35 40 45  
 Ser Gly Glu Phe Glu Lys Ile Met Gln Leu Ser Glu Arg Tyr Asn  
 50 55 60  
 Gly Phe Val Leu Pro Cys Leu Gly Val His Pro Val Gln Gly Leu  
 65 70 75  
 Pro Pro Glu Asp Gln Arg Ser Val Thr Leu Lys Asp Leu Asp Val  
 80 85 90  
 Ala Leu Pro Ile Ile Glu Asn Tyr Lys Asp Arg Leu Leu Ala Ile  
 95 100 105  
 Gly Glu Val Gly Leu Asp Phe Ser Pro Arg Phe Ala Gly Thr Gly  
 110 115 120  
 Glu Gln Lys Glu Glu Gln Arg Gln Val Leu Ile Arg Gln Ile Gln  
 125 130 135  
 Leu Ala Lys Arg Leu Asn Leu Pro Val Asn Val His Ser Arg Ser  
 140 145 150  
 Ala Gly Arg Pro Thr Ile Asn Leu Leu Gln Glu Gln Gly Ala Glu

155 160 165  
 Lys Val Leu Leu His Ala Phe Asp Gly Arg Pro Ser Val Ala Met  
 170 175 180  
 Glu Gly Val Arg Ala Gly Tyr Phe Phe Ser Ile Pro Pro Ser Ile  
 185 190 195  
 Ile Arg Ser Gly Gln Lys Gln Lys Leu Val Lys Gln Leu Pro Leu  
 200 205 210  
 Thr Ser Ile Cys Leu Glu Thr Asp Ser Pro Ala Leu Gly Pro Glu  
 215 220 225  
 Lys Gln Val Arg Asn Glu Pro Trp Asn Ile Ser Ile Ser Ala Glu  
 230 235 240  
 Tyr Ile Ala Gln Val Lys Gly Ile Ser Val Glu Glu Val Ile Glu  
 245 250 255  
 Val Thr Thr Gln Asn Ala Leu Lys Leu Phe Pro Lys Leu Arg His  
 260 265 270  
 Leu Leu Gln Lys

<210> 35  
 <211> 281  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 3000380

<400> 35  
 Met Ser Glu Pro Gln Pro Asp Leu Glu Pro Pro Gln His Gly Leu  
 1 5 10 15  
 Tyr Met Leu Phe Leu Val Leu Val Phe Phe Leu Met Gly Leu  
 20 25 30  
 Val Gly Phe Met Ile Cys His Val Leu Lys Lys Lys Gly Tyr Arg  
 35 40 45  
 Cys Arg Thr Ser Arg Gly Ser Glu Pro Asp Asp Ala Gln Leu Gln  
 50 55 60  
 Pro Pro Glu Asp Asp Asp Met Asn Glu Asp Thr Val Glu Arg Ile  
 65 70 75  
 Val Arg Cys Ile Ile Gln Asn Glu Val Trp Met Pro Pro Pro Ala  
 80 85 90  
 Cys Arg Thr Glu Pro Pro Pro Ile Ile Thr Gln Cys Thr Trp Ala  
 95 100 105  
 Leu Gln Pro Leu Ala Val His Cys Ser Arg Ser Lys Arg Pro Pro  
 110 115 120  
 Leu Val Arg Gln Gly Arg Ser Lys Glu Gly Lys Ser Arg Pro Arg  
 125 130 135  
 Thr Gly Glu Thr Thr Val Phe Ser Val Gly Arg Phe Arg Val Thr  
 140 145 150  
 His Ile Glu Lys Arg Tyr Gly Leu His Glu His Arg Asp Gly Ser  
 155 160 165  
 Pro Thr Asp Arg Ser Trp Gly Ser Arg Gly Gly Gln Asp Pro Gly  
 170 175 180  
 Gly Gly Gln Gly Ser Gly Gly Gly His Pro Lys Ala Gly Met Leu  
 185 190 195



Pro Trp Arg Gly Cys Pro Pro Glu Arg Pro Gln Pro Gln Val Leu  
 200 205 210  
 Ala Ser Pro Pro Val Gln Asn Gly Gly Leu Arg Asp Ser Ser Leu  
 215 220 225  
 Thr Pro Arg Ala Leu Glu Gly Asn Pro Arg Ala Ser Ala Glu Pro  
 230 235 240  
 Thr Leu Arg Ala Gly Gly Arg Gly Pro Ser Pro Gly Leu Pro Thr  
 245 250 255  
 Gln Glu Ala Asn Gly Gln Pro Ser Lys Pro Asp Thr Ser Asp His  
 260 265 270  
 Gln Val Ser Leu Pro Gln Gly Ala Gly Ser Met  
 275 280

<210> 36

<211> 335

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone No: 182532

<400> 36

Met Gly Pro Leu Ser Ala Pro Pro Cys Thr His Leu Ile Thr Trp  
 1 5 10 15  
 Lys Gly Val Leu Leu Thr Ala Ser Leu Leu Asn Phe Trp Asn Pro  
 20 25 30  
 Pro Thr Thr Ala Gln Val Thr Ile Glu Ala Gln Pro Pro Lys Val  
 35 40 45  
 Ser Glu Gly Lys Asp Val Leu Leu Leu Val His Asn Leu Pro Gln  
 50 55 60  
 Asn Leu Ala Gly Tyr Ile Trp Tyr Lys Gly Gln Met Thr Tyr Val  
 65 70 75  
 Tyr His Tyr Ile Ile Ser Tyr Ile Val Asp Gly Lys Ile Ile Ile  
 80 85 90  
 Tyr Gly Pro Ala Tyr Ser Gly Arg Glu Arg Val Tyr Ser Asn Ala  
 95 100 105  
 Ser Leu Leu Ile Gln Asn Val Thr Gln Glu Asp Ala Gly Ser Tyr  
 110 115 120  
 Thr Leu His Ile Ile Lys Arg Gly Asp Gly Thr Arg Gly Glu Thr  
 125 130 135  
 Gly His Phe Thr Phe Thr Leu Tyr Leu Glu Thr Pro Lys Pro Ser  
 140 145 150  
 Ile Ser Ser Ser Asn Leu Tyr Pro Arg Glu Asp Met Glu Ala Val  
 155 160 165  
 Ser Leu Thr Cys Asp Pro Glu Thr Pro Asp Ala Ser Tyr Leu Trp  
 170 175 180  
 Trp Met Asn Gly Gln Ser Leu Pro Met Thr His Ser Leu Gln Leu  
 185 190 195  
 Ser Lys Asn Lys Arg Thr Leu Phe Leu Phe Gly Val Thr Lys Tyr  
 200 205 210  
 Thr Ala Gly Pro Tyr Glu Cys Glu Ile Arg Asn Pro Val Ser Gly  
 215 220 225  
 Ile Arg Ser Asp Pro Val Thr Leu Asn Val Leu Tyr Gly Pro Asp  
 230 235 240

Leu	Pro	Ser	Ile	Tyr	Pro	Ser	Phe	Thr	Tyr	Tyr	Arg	Ser	Gly	Glu
				245					250					255
Asn	Leu	Tyr	Leu	Ser	Cys	Phe	Ala	Glu	Ser	Asn	Pro	Arg	Ala	Gln
				260					265					270
Tyr	Ser	Trp	Thr	Ile	Asn	Gly	Lys	Phe	Gln	Leu	Ser	Gly	Gln	Lys
				275					280					285
Leu	Phe	Ile	Pro	Gln	Ile	Thr	Thr	Lys	His	Ser	Gly	Leu	Tyr	Ala
				290					295					300
Cys	Ser	Val	Arg	Asn	Ser	Ala	Thr	Gly	Met	Glu	Ser	Ser	Lys	Ser
				305					310					315
Met	Thr	Val	Lys	Val	Ser	Ala	Pro	Ser	Gly	Thr	Gly	His	Leu	Pro
				320					325					330
Gly	Leu	Asn	Pro	Leu										
				335										

&lt;210&gt; 37

&lt;211&gt; 280

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 239589

&lt;400&gt; 37

Met	Asp	Leu	Gln	Gly	Arg	Gly	Val	Pro	Ser	Ile	Asp	Arg	Leu	Arg
1				5					10					15
Val	Leu	Leu	Met	Leu	Phe	His	Thr	Met	Ala	Gln	Ile	Met	Ala	Glu
				20					25					30
Gln	Glu	Val	Glu	Asn	Leu	Ser	Gly	Leu	Ser	Thr	Asn	Pro	Glu	Lys
				35					40					45
Asp	Ile	Phe	Val	Val	Arg	Glu	Asn	Gly	Thr	Thr	Cys	Leu	Met	Ala
				50					55					60
Glu	Phe	Ala	Ala	Lys	Phe	Ile	Val	Pro	Tyr	Asp	Val	Trp	Ala	Ser
				65					70					75
Asn	Tyr	Val	Asp	Leu	Ile	Thr	Glu	Gln	Ala	Asp	Ile	Ala	Leu	Thr
				80					85					90
Arg	Gly	Ala	Glu	Val	Lys	Gly	Arg	Cys	Gly	His	Ser	Gln	Ser	Glu
				95					100					105
Leu	Gln	Val	Phe	Trp	Val	Asp	Arg	Ala	Tyr	Ala	Leu	Lys	Met	Leu
				110					115					120
Phe	Val	Lys	Glu	Ser	His	Asn	Met	Ser	Lys	Gly	Pro	Glu	Ala	Thr
				125					130					135
Trp	Arg	Leu	Ser	Lys	Val	Gln	Phe	Val	Tyr	Asp	Ser	Ser	Glu	Lys
				140					145					150
Thr	His	Phe	Lys	Asp	Ala	Val	Ser	Ala	Gly	Lys	His	Thr	Ala	Asn
				155					160					165
Ser	His	His	Leu	Ser	Ala	Leu	Val	Thr	Pro	Ala	Gly	Lys	Ser	Tyr
				170					175					180
Glu	Cys	Gln	Ala	Gln	Gln	Thr	Ile	Ser	Leu	Ala	Ser	Ser	Asp	Pro
				185					190					195
Gln	Lys	Thr	Val	Thr	Met	Ile	Leu	Ser	Ala	Val	His	Ile	Gln	Pro
				200					205					210
Phe	Asp	Ile	Ile	Ser	Asp	Phe	Val	Phe	Ser	Glu	Glu	His	Lys	Cys
				215					220					225

Pro Val Asp Glu Arg Glu Gln Leu Glu Glu Thr Leu Pro Leu Ile  
 230 235 240  
 Leu Gly Leu Ile Leu Gly Leu Val Ile Met Val Thr Leu Ala Ile  
 245 250 255  
 Tyr His Val His His Lys Met Thr Ala Asn Gln Val Gln Ile Pro  
 260 265 270  
 Arg Asp Arg Ser Gln Tyr Lys His Met Gly  
 275 280

<210> 38

<211> 210

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone No: 1671302

<400> 38

Met Ser Arg Met Phe Cys Gln Ala Ala Arg Val Asp Leu Thr Leu  
 1 5 10 15  
 Asp Pro Asp Thr Ala His Pro Ala Leu Met Leu Ser Pro Asp Arg  
 20 25 30  
 Arg Gly Val Arg Leu Ala Glu Arg Arg Gln Glu Val Ala Asp His  
 35 40 45  
 Pro Lys Arg Phe Ser Ala Asp Cys Cys Val Leu Gly Ala Gln Gly  
 50 55 60  
 Phe Arg Ser Gly Arg His Tyr Trp Glu Val Glu Val Gly Gly Arg  
 65 70 75  
 Arg Gly Trp Ala Val Gly Ala Ala Arg Glu Ser Thr His His Lys  
 80 85 90  
 Glu Lys Val Gly Pro Gly Gly Ser Ser Val Gly Ser Gly Asp Ala  
 95 100 105  
 Ser Ser Ser Arg His His His Arg Arg Arg Arg Leu His Leu Pro  
 110 115 120  
 Gln Gln Pro Leu Leu Gln Arg Glu Val Trp Cys Val Gly Thr Asn  
 125 130 135  
 Gly Lys Arg Tyr Gln Ala Gln Ser Ser Thr Glu Gln Thr Leu Leu  
 140 145 150  
 Ser Pro Ser Glu Lys Pro Arg Arg Phe Gly Val Tyr Leu Asp Tyr  
 155 160 165  
 Glu Ala Gly Arg Leu Gly Phe Tyr Asn Ala Glu Thr Leu Ala His  
 170 175 180  
 Val His Thr Phe Ser Ala Ala Phe Leu Gly Glu Arg Val Phe Pro  
 185 190 195  
 Phe Phe Arg Val Leu Ser Lys Gly Thr Arg Ile Lys Leu Cys Pro  
 200 205 210

<210> 39

<211> 279

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature  
 <223> Incyte Clone No: 2041858

<400> 39

Met	Glu	Ala	Val	Val	Asn	Leu	Tyr	Gln	Glu	Val	Met	Lys	His	Ala	1	5	10	15
Asp	Pro	Arg	Ile	Gln	Gly	Tyr	Pro	Leu	Met	Gly	Ser	Pro	Leu	Leu	20	25	30	
Met	Thr	Ser	Ile	Leu	Leu	Thr	Tyr	Val	Tyr	Phe	Val	Leu	Ser	Leu	35	40	45	
Gly	Pro	Arg	Ile	Met	Ala	Asn	Arg	Lys	Pro	Phe	Gln	Leu	Arg	Gly	50	55	60	
Phe	Met	Ile	Val	Tyr	Asn	Phe	Ser	Leu	Val	Ala	Leu	Ser	Leu	Tyr	65	70	75	
Ile	Val	Tyr	Glu	Phe	Leu	Met	Ser	Gly	Trp	Leu	Ser	Thr	Tyr	Thr	80	85	90	
Trp	Arg	Cys	Asp	Pro	Val	Asp	Tyr	Ser	Asn	Ser	Pro	Glu	Ala	Leu	95	100	105	
Arg	Met	Val	Arg	Val	Ala	Trp	Leu	Phe	Leu	Phe	Ser	Lys	Phe	Ile	110	115	120	
Glu	Leu	Met	Asp	Thr	Val	Ile	Phe	Ile	Leu	Arg	Lys	Lys	Asp	Gly	125	130	135	
Gln	Val	Thr	Phe	Leu	His	Val	Phe	His	His	Ser	Val	Leu	Pro	Trp	140	145	150	
Ser	Trp	Trp	Trp	Gly	Val	Lys	Ile	Ala	Pro	Gly	Gly	Met	Gly	Ser	155	160	165	
Phe	His	Ala	Met	Ile	Asn	Ser	Ser	Val	His	Val	Ile	Met	Tyr	Leu	170	175	180	
Tyr	Tyr	Gly	Leu	Ser	Ala	Phe	Gly	Pro	Val	Ala	Gln	Pro	Tyr	Leu	185	190	195	
Trp	Trp	Lys	Lys	His	Met	Thr	Ala	Ile	Gln	Leu	Ile	Gln	Phe	Val	200	205	210	
Leu	Val	Ser	Leu	His	Ile	Ser	Gln	Tyr	Tyr	Phe	Met	Ser	Ser	Cys	215	220	225	
Asn	Tyr	Gln	Tyr	Pro	Val	Ile	Ile	His	Leu	Ile	Trp	Met	Tyr	Gly	230	235	240	
Thr	Ile	Phe	Phe	Met	Leu	Phe	Ser	Asn	Phe	Trp	Tyr	His	Ser	Tyr	245	250	255	
Thr	Lys	Gly	Lys	Arg	Leu	Pro	Arg	Ala	Leu	Gln	Gln	Asn	Gly	Ala	260	265	270	
Pro	Gly	Ile	Ala	Lys	Val	Lys	Ala	Asn							275			

<210> 40  
 <211> 154  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 2198863

<400> 40  
 Met Gly Lys Ser Ala Ser Lys Gln Phe His Asn Glu Val Leu Lys

```

1           5           10           15
Ala His Asn Glu Tyr Arg Gln Lys His Gly Val Pro Pro Leu Lys
20           25           30
Leu Cys Lys Asn Leu Asn Arg Glu Ala Gln Gln Tyr Ser Glu Ala
35           40           45
Leu Ala Ser Thr Arg Ile Leu Lys His Ser Pro Glu Ser Ser Arg
50           55           60
Gly Gln Cys Gly Glu Asn Leu Ala Trp Ala Ser Tyr Asp Gln Thr
65           70           75
Gly Lys Glu Val Ala Asp Arg Trp Tyr Ser Glu Ile Lys Asn Tyr
80           85           90
Asn Phe Gln Gln Pro Gly Phe Thr Ser Gly Thr Gly His Phe Thr
95           100          105
Ala Met Val Trp Lys Asn Thr Lys Lys Met Gly Val Gly Lys Ala
110          115          120
Ser Ala Ser Asp Gly Ser Ser Phe Val Val Ala Arg Tyr Phe Pro
125          130          135
Ala Gly Asn Val Val Asn Glu Gly Phe Phe Glu Glu Asn Val Leu
140          145          150
Pro Pro Lys Lys

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&lt;210&gt; 41

&lt;211&gt; 582

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 3250703

&lt;400&gt; 41

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Met Lys Pro Asn Ile Ile Phe Val Leu Ser Leu Leu Leu Ile Leu
1           5           10           15
Glu Lys Gln Ala Ala Val Met Gly Gln Lys Gly Gly Ser Lys Gly
20           25           30
Arg Leu Pro Ser Glu Phe Ser Gln Phe Pro His Gly Gln Lys Gly
35           40           45
Gln His Tyr Ser Gly Gln Lys Gly Lys Gln Gln Thr Glu Ser Lys
50           55           60
Gly Ser Phe Ser Ile Gln Tyr Thr Tyr His Val Asp Ala Asn Asp
65           70           75
His Asp Gln Ser Arg Lys Ser Gln Gln Tyr Asp Leu Asn Ala Leu
80           85           90
His Lys Thr Thr Lys Ser Gln Arg His Leu Gly Gly Ser Gln Gln
95           100          105
Leu Leu His Asn Lys Gln Glu Gly Arg Asp His Asp Lys Ser Lys
110          115          120
Gly His Phe His Arg Val Val Ile His His Lys Gly Gly Lys Ala
125          130          135
His Arg Gly Thr Gln Asn Pro Ser Gln Asp Gln Gly Asn Ser Pro
140          145          150
Ser Gly Lys Gly Ile Ser Ser Gln Tyr Ser Asn Thr Glu Glu Arg
155          160          165

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Leu Trp Val His Gly Leu Ser Lys Glu Gln Thr Ser Val Ser Gly  
 170 175 180  
 Ala Gln Lys Gly Arg Lys Gln Gly Gly Ser Gln Ser Ser Tyr Val  
 185 190 195  
 Leu Gln Thr Glu Glu Leu Val Ala Asn Lys Gln Gln Arg Glu Thr  
 200 205 210  
 Lys Asn Ser His Gln Asn Lys Gly His Tyr Gln Asn Val Val Glu  
 215 220 225  
 Val Arg Glu Glu His Ser Ser Lys Val Gln Thr Ser Leu Cys Pro  
 230 235 240  
 Ala His Gln Asp Lys Leu Gln His Gly Ser Lys Asp Ile Phe Ser  
 245 250 255  
 Thr Gln Asp Glu Leu Leu Val Tyr Asn Lys Asn Gln His Gln Thr  
 260 265 270  
 Lys Asn Leu Asn Gln Asp Gln Gln His Gly Arg Lys Ala Asn Lys  
 275 280 285  
 Ile Ser Tyr Gln Ser Ser Ser Thr Glu Glu Arg Arg Leu His Tyr  
 290 295 300  
 Gly Glu Asn Gly Val Gln Lys Asp Val Ser Gln Ser Ser Ile Tyr  
 305 310 315  
 Ser Gln Thr Glu Glu Lys Ile His Gly Lys Ser Gln Asn Gln Val  
 320 325 330  
 Thr Ile His Ser Gln Asp Gln Glu His Gly His Lys Glu Asn Lys  
 335 340 345  
 Ile Ser Tyr Gln Ser Ser Ser Thr Glu Glu Arg His Leu Asn Cys  
 350 355 360  
 Gly Glu Lys Gly Ile Gln Lys Gly Val Ser Lys Gly Ser Ile Ser  
 365 370 375  
 Ile Gln Thr Glu Glu Gln Ile His Gly Lys Ser Gln Asn Gln Val  
 380 385 390  
 Arg Ile Pro Ser Gln Ala Gln Glu Tyr Gly His Lys Glu Asn Lys  
 395 400 405  
 Ile Ser Tyr Gln Ser Ser Ser Thr Glu Glu Arg Arg Leu Asn Ser  
 410 415 420  
 Gly Glu Lys Asp Val Gln Lys Gly Val Ser Lys Gly Ser Ile Ser  
 425 430 435  
 Ile Gln Thr Glu Glu Lys Ile His Gly Lys Ser Gln Asn Gln Val  
 440 445 450  
 Thr Ile Pro Ser Gln Asp Gln Glu His Gly His Lys Glu Asn Lys  
 455 460 465  
 Met Ser Tyr Gln Ser Ser Ser Thr Glu Glu Arg Arg Leu Asn Tyr  
 470 475 480  
 Gly Gly Lys Ser Thr Gln Lys Asp Val Ser Gln Ser Ser Ile Ser  
 485 490 495  
 Phe Gln Ile Glu Lys Leu Val Glu Gly Lys Ser Gln Ile Gln Thr  
 500 505 510  
 Pro Asn Pro Asn Gln Asp Gln Trp Ser Gly Gln Asn Ala Lys Gly  
 515 520 525  
 Lys Ser Gly Gln Ser Ala Asp Ser Lys Gln Asp Leu Leu Ser His  
 530 535 540  
 Glu Gln Lys Gly Arg Tyr Lys Gln Glu Ser Ser Glu Ser His Asn  
 545 550 555  
 Ile Val Ile Thr Glu His Glu Val Ala Gln Asp Asp His Leu Thr  
 560 565 570  
 Gln Gln Tyr Asn Glu Asp Arg Asn Pro Ile Ser Thr  
 575 580

<210> 42  
<211> 71  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte Clone No: 350287

<400> 42  
Met Phe Thr Ala Pro Leu Phe Phe Phe Phe Phe Phe Glu Ile Ile  
1 5 10 15  
Asn Ser Met Arg Asn Leu Gly Leu Asn Ile Cys Leu Leu Cys Leu  
20 25 30  
Leu Ile Glu His His Ser Arg Pro Ser Val Cys Leu Pro Phe Thr  
35 40 45  
Pro Lys Ile Phe Thr Lys Lys Ile Leu Arg Gln Gln Val Thr Ile  
50 55 60  
Tyr Arg Cys Leu Asn Asp Phe Leu Ile Phe Ile  
65 70

<210> 43  
<211> 102  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte Clone No: 1618171

<400> 43  
Met Ala Val Leu Pro Ser Val Leu Leu Val Tyr Ser Leu Phe Phe  
1 5 10 15  
Cys Leu Arg Phe Cys Met Leu Leu Leu Leu Pro Ser Tyr Ser His  
20 25 30  
Ser Arg Ser Gly Arg Gly Pro Gly Arg Tyr Gly His Ile Thr Leu  
35 40 45  
Ile Asp Val Ile His Val Ser Val Tyr Trp Phe Phe Glu Ala Leu  
50 55 60  
Ser Thr Phe Gln Ile Phe Tyr Tyr Cys Ile Thr Arg Thr Ile Thr  
65 70 75  
Val Arg Lys Gly Ile Val Val Ser Arg His Val Asn Glu Ala Gly  
80 85 90  
Val Ser Phe Val Ser Tyr Leu Cys Ile Asn Phe Lys  
95 100

<210> 44  
<211> 226  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte Clone No: 1625863

<400> 44  
Met Pro Thr Thr Lys Lys Thr Leu Met Phe Leu Ser Ser Phe Phe  
1 5 10 15  
Thr Ser Leu Gly Ser Phe Ile Val Ile Cys Ser Ile Leu Gly Thr  
20 25 30  
Gln Ala Trp Ile Thr Ser Thr Ile Ala Val Arg Asp Ser Ala Ser  
35 40 45  
Asn Gly Ser Ile Phe Ile Thr Tyr Gly Leu Phe Arg Gly Glu Ser  
50 55 60  
Ser Glu Glu Leu Ser His Gly Leu Ala Glu Pro Lys Lys Lys Phe  
65 70 75  
Ala Val Leu Glu Ile Leu Asn Asn Ser Ser Gln Lys Thr Leu His  
80 85 90  
Ser Val Thr Ile Leu Phe Leu Val Leu Ser Leu Ile Thr Ser Leu  
95 100 105  
Leu Ser Ser Gly Phe Thr Phe Tyr Asn Ser Ile Ser Asn Pro Tyr  
110 115 120  
Gln Thr Phe Leu Gly Pro Thr Gly Val Tyr Thr Trp Asn Gly Leu  
125 130 135  
Gly Ala Ser Phe Val Phe Val Thr Met Ile Leu Phe Val Ala Asn  
140 145 150  
Thr Gln Ser Asn Gln Leu Ser Glu Glu Leu Phe Gln Met Leu Tyr  
155 160 165  
Pro Ala Thr Thr Ser Lys Gly Thr Thr His Ser Tyr Gly Tyr Ser  
170 175 180  
Phe Trp Leu Ile Leu Leu Val Ile Leu Leu Asn Ile Val Thr Val  
185 190 195  
Thr Ile Ile Ile Phe Tyr Gln Lys Ala Arg Tyr Gln Arg Lys Gln  
200 205 210  
Glu Gln Arg Lys Pro Met Glu Tyr Ala Pro Arg Asp Gly Ile Leu  
215 220 225  
Phe

<210> 45  
<211> 154  
<212> PRT  
<213> Homo sapiens  
  
<220>  
<221> misc\_feature  
<223> Incyte Clone No: 1638353

<400> 45  
Met Ala Leu Leu Leu Ser Val Leu Arg Val Leu Leu Gly Gly Phe  
1 5 10 15  
Phe Ala Leu Val Gly Leu Ala Lys Leu Ser Glu Glu Ile Ser Ala  
20 25 30  
Pro Val Ser Glu Arg Met Asn Ala Leu Phe Val Gln Phe Ala Glu  
35 40 45  
Val Phe Pro Leu Lys Val Phe Gly Tyr Gln Pro Asp Pro Leu Asn  
50 55 60  
Tyr Gln Ile Ala Val Gly Phe Leu Glu Leu Leu Ala Gly Leu Leu  
65 70 75



Leu Val Met Gly Pro Pro Met Leu Gln Glu Ile Ser Asn Leu Phe  
 80 85 90  
 Leu Ile Leu Leu Met Met Gly Ala Ile Phe Thr Leu Ala Ala Leu  
 95 100 105  
 Lys Glu Ser Leu Ser Thr Cys Ile Pro Ala Ile Val Cys Leu Gly  
 110 115 120  
 Phe Leu Leu Leu Leu Asn Val Gly Gln Leu Leu Ala Gln Thr Lys  
 125 130 135  
 Lys Val Val Arg Pro Thr Arg Lys Lys Thr Leu Ser Thr Phe Lys  
 140 145 150  
 Glu Ser Trp Lys

<210> 46  
 <211> 167  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 1726843

<400> 46  
 Met Ala Ser Pro Arg Thr Val Thr Ile Val Ala Leu Ser Val Ala  
 1 5 10 15  
 Leu Gly Leu Phe Phe Val Phe Met Gly Thr Ile Lys Leu Thr Pro  
 20 25 30  
 Arg Leu Ser Lys Asp Ala Tyr Ser Glu Met Lys Arg Ala Tyr Lys  
 35 40 45  
 Ser Tyr Val Arg Ala Leu Pro Leu Leu Lys Lys Met Gly Ile Asn  
 50 55 60  
 Ser Ile Leu Leu Arg Lys Ser Ile Gly Ala Leu Glu Val Ala Cys  
 65 70 75  
 Gly Ile Val Met Thr Leu Val Pro Gly Arg Pro Lys Asp Val Ala  
 80 85 90  
 Asn Phe Phe Leu Leu Leu Leu Val Leu Ala Val Leu Phe Phe His  
 95 100 105  
 Gln Leu Val Gly Asp Pro Leu Lys Arg Tyr Ala His Ala Leu Val  
 110 115 120  
 Phe Gly Ile Leu Leu Thr Cys Arg Leu Leu Ile Ala Arg Lys Pro  
 125 130 135  
 Glu Asp Arg Ser Ser Glu Lys Lys Pro Leu Pro Gly Asn Ala Glu  
 140 145 150  
 Glu Gln Pro Ser Leu Tyr Glu Lys Ala Pro Gln Gly Lys Val Lys  
 155 160 165  
 Val Ser

<210> 47  
 <211> 545  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 1754506

<400> 47  
 Met Ala Gly Ala Ile Ile Glu Asn Met Ser Thr Lys Lys Leu Cys  
 1 5 10 15  
 Ile Val Gly Gly Ile Leu Leu Val Phe Gln Ile Ile Ala Phe Leu  
 20 25 30  
 Val Gly Gly Leu Ile Ala Pro Gly Pro Thr Thr Ala Val Ser Tyr  
 35 40 45  
 Met Ser Val Lys Cys Val Asp Ala Arg Lys Asn His His Lys Thr  
 50 55 60  
 Lys Trp Phe Val Pro Trp Gly Pro Asn His Cys Asp Lys Ile Arg  
 65 70 75  
 Asp Ile Glu Glu Ala Ile Pro Arg Glu Ile Glu Ala Asn Asp Ile  
 80 85 90  
 Val Phe Ser Val His Ile Pro Leu Pro His Met Glu Met Ser Pro  
 95 100 105  
 Trp Phe Gln Phe Met Leu Phe Ile Leu Gln Leu Asp Ile Ala Phe  
 110 115 120  
 Lys Leu Asn Asn Gln Ile Arg Glu Asn Ala Glu Val Ser Met Asp  
 125 130 135  
 Val Ser Leu Ala Tyr Arg Asp Asp Ala Phe Ala Glu Trp Thr Glu  
 140 145 150  
 Met Ala His Glu Arg Val Pro Arg Lys Leu Lys Cys Thr Phe Thr  
 155 160 165  
 Ser Pro Lys Thr Pro Glu His Glu Gly Arg Tyr Tyr Glu Cys Asp  
 170 175 180  
 Val Leu Pro Phe Met Glu Ile Gly Ser Val Ala His Lys Phe Tyr  
 185 190 195  
 Leu Leu Asn Ile Arg Leu Pro Val Asn Glu Lys Lys Lys Ile Asn  
 200 205 210  
 Val Gly Ile Gly Glu Ile Lys Asp Ile Arg Leu Val Gly Ile His  
 215 220 225  
 Gln Asn Gly Gly Phe Thr Lys Val Trp Phe Ala Met Lys Thr Phe  
 230 235 240  
 Leu Thr Pro Ser Ile Phe Ile Ile Met Val Trp Tyr Trp Arg Arg  
 245 250 255  
 Ile Thr Met Met Ser Arg Pro Pro Val Leu Leu Glu Lys Val Ile  
 260 265 270  
 Phe Ala Leu Gly Ile Ser Met Thr Phe Ile Asn Ile Pro Val Glu  
 275 280 285  
 Trp Phe Ser Ile Gly Phe Asp Trp Thr Trp Met Leu Leu Phe Gly  
 290 295 300  
 Asp Ile Arg Gln Gly Ile Phe Tyr Ala Met Leu Leu Ser Phe Trp  
 305 310 315  
 Ile Ile Phe Cys Gly Glu His Met Met Asp Gln His Glu Arg Asn  
 320 325 330  
 His Ile Ala Gly Tyr Trp Lys Gln Val Gly Pro Ile Ala Val Gly  
 335 340 345  
 Ser Phe Cys Leu Phe Ile Phe Asp Met Cys Glu Arg Gly Val Gln  
 350 355 360  
 Leu Thr Asn Pro Phe Tyr Ser Ile Trp Thr Thr Asp Ile Gly Thr  
 365 370 375  
 Glu Leu Ala Met Ala Phe Ile Ile Val Ala Gly Ile Cys Leu Cys  
 380 385 390  
 Leu Tyr Phe Leu Phe Leu Cys Phe Met Val Phe Gln Val Phe Arg  
 395 400 405  
 Asn Ile Ser Gly Lys Gln Ser Ser Leu Pro Ala Met Ser Lys Val

Arg Arg Leu His	410	Arg Arg Phe Lys Phe	415	Leu	420
Tyr Glu Gly Leu Ile	425	Phe Arg Phe Lys Phe	430	Leu	435
Met Leu Ile Thr	440	Met Thr Val Ile Phe	445	Phe	450
Leu Ala Cys Ala Ala	455	Thr Val Ile Phe	460	Val	465
Ile Val Ser Gln Val	470	Thr Gly Ile Tyr Gly	475	Met	480
Thr Val Gln Val Asn Ser	485	Phe Leu Tyr Ala Pro	490	Ser	495
Ala Phe Phe Thr	500	Asn Gly Met Gln Leu	505	Pro	510
Trp Asn Leu Tyr Val	515	Phe Val Ser Glu Leu	520	Tyr	525
Phe Ala Leu Met Phe	530	Ser Phe Ile Asn Asp	535	Asn	540
His Lys Asn Tyr Gly	545				
Glu Asp Gln Ser Asn					
Gln Glu Leu Phe Ser					
Ala Ala Ser Gly Ile					

&lt;210&gt; 48

&lt;211&gt; 570

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 1831378

&lt;400&gt; 48

Met Gly Phe Leu Gln	1	Leu Leu Val Val	10	Ala Val Leu Ala Ser	15
His Arg Val Ala Gly	20	Ala Ala Glu Val	25	Phe Gly Asn Ser Ser	30
Gly Leu Ile Glu Phe	35	Ser Val Gly Lys	40	Phe Arg Tyr Phe Glu	45
Asn Arg Pro Phe Pro	50	Glu Glu Ala Ile	55	Leu His Asp Ile Ser	60
Asn Val Thr Phe Leu	65	Ile Phe Gln Ile	70	His Ser Gln Tyr Gln	75
Thr Thr Val Ser Phe	80	Ser Pro Thr Leu	85	Leu Ser Asn Ser Ser	90
Thr Gly Thr Ala Ser	95	Gly Leu Val Phe	100	Ile Leu Arg Pro Glu	105
Ser Thr Cys Thr Trp	110	Tyr Leu Gly Thr	115	Ser Gly Ile Gln Pro	120
Gln Asn Met Ala Ile	125	Leu Leu Ser Tyr	130	Ser Glu Arg Asp Pro	135
Pro Gly Gly Cys Asn	140	Leu Glu Phe Asp	145	Leu Asp Ile Asp Pro	150
Ile Tyr Leu Glu Tyr	155	Asn Phe Phe Glu	160	Thr Thr Ile Lys Phe	165
Pro Ala Asn Leu Gly	170	Tyr Ala Arg Gly	175	Val Asp Pro Pro Pro	180
Asp Ala Gly Thr Asp		Gln Asp Ser Arg		Trp Arg Leu Gln Tyr	185

185 190 195  
 Val Tyr Gln Tyr Phe Leu Pro Glu Asn Asp Leu Thr Glu Glu Met  
 200 205 210  
 Leu Leu Lys His Leu Gln Arg Met Val Ser Val Pro Gln Val Lys  
 215 220 225  
 Ala Ser Ala Leu Lys Val Val Thr Leu Thr Ala Asn Asp Lys Thr  
 230 235 240  
 Ser Val Ser Phe Ser Ser Leu Pro Gly Gln Gly Val Ile Tyr Asn  
 245 250 255  
 Val Ile Val Trp Asp Pro Phe Leu Asn Thr Ser Ala Ala Tyr Ile  
 260 265 270  
 Pro Ala His Thr Tyr Ala Cys Ser Phe Glu Ala Gly Glu Gly Ser  
 275 280 285  
 Cys Ala Ser Leu Gly Arg Val Ser Ser Lys Val Phe Phe Thr Leu  
 290 295 300  
 Phe Ala Leu Leu Gly Phe Phe Ile Cys Phe Phe Gly His Arg Phe  
 305 310 315  
 Trp Lys Thr Glu Leu Phe Phe Ile Gly Phe Ile Ile Met Gly Phe  
 320 325 330  
 Phe Phe Tyr Ile Leu Ile Thr Arg Leu Thr Pro Ile Lys Tyr Asp  
 335 340 345  
 Val Asn Leu Ile Leu Thr Ala Val Thr Gly Ser Val Gly Gly Met  
 350 355 360  
 Phe Leu Val Ala Val Trp Trp Arg Phe Gly Ile Leu Ser Ile Cys  
 365 370 375  
 Met Leu Cys Val Gly Leu Val Leu Gly Phe Leu Ile Ser Ser Val  
 380 385 390  
 Thr Phe Phe Thr Pro Leu Gly Asn Leu Lys Ile Phe His Asp Asp  
 395 400 405  
 Gly Val Phe Trp Val Thr Phe Ser Cys Ile Ala Ile Leu Ile Pro  
 410 415 420  
 Val Val Phe Met Gly Cys Leu Arg Ile Leu Asn Ile Leu Thr Cys  
 425 430 435  
 Gly Val Ile Gly Ser Tyr Ser Val Val Leu Ala Ile Asp Ser Tyr  
 440 445 450  
 Trp Ser Thr Ser Leu Ser Tyr Ile Thr Leu Asn Val Leu Lys Arg  
 455 460 465  
 Ala Leu Asn Lys Asp Phe His Arg Ala Phe Thr Asn Val Pro Phe  
 470 475 480  
 Gln Thr Asn Asp Phe Ile Ile Leu Ala Val Trp Gly Met Leu Ala  
 485 490 495  
 Val Ser Gly Ile Thr Leu Gln Ile Arg Arg Glu Arg Gly Arg Pro  
 500 505 510  
 Phe Phe Pro Pro His Pro Tyr Lys Leu Trp Lys Gln Glu Arg Glu  
 515 520 525  
 Arg Arg Val Thr Asn Ile Leu Asp Pro Ser Tyr His Ile Pro Pro  
 530 535 540  
 Leu Arg Glu Arg Leu Tyr Gly Arg Leu Thr Gln Ile Lys Gly Leu  
 545 550 555  
 Phe Gln Lys Glu Gln Pro Ala Gly Glu Arg Thr Pro Leu Leu Leu  
 560 565 570

&lt;210&gt; 49

&lt;211&gt; 127

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 1864943

<400> 49  
 Met Arg Arg Arg Phe Trp Gly Val Phe Asn Cys Leu Cys Ala Gly  
 1 5 10 15  
 Ala Phe Gly Ala Leu Ala Ala Ala Ser Ala Lys Leu Ala Phe Gly  
 20 25 30  
 Ser Glu Val Ser Met Gly Leu Cys Val Leu Gly Ile Ile Val Met  
 35 40 45  
 Ala Ser Thr Asn Ser Leu Met Trp Thr Phe Phe Ser Arg Gly Leu  
 50 55 60  
 Ser Phe Ser Met Ser Ser Ala Ile Ala Ser Val Thr Val Thr Phe  
 65 70 75  
 Ser Asn Ile Leu Ser Ser Ala Phe Leu Gly Tyr Val Leu Tyr Gly  
 80 85 90  
 Glu Cys Gln Glu Val Leu Trp Trp Gly Gly Val Phe Leu Ile Leu  
 95 100 105  
 Cys Gly Leu Thr Leu Ile His Arg Lys Leu Pro Pro Thr Trp Lys  
 110 115 120  
 Pro Leu Pro His Lys Gln Gln  
 125

<210> 50  
 <211> 152  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 1911316

<400> 50  
 Met Asp Asn Val Gln Pro Lys Ile Lys His Arg Pro Phe Cys Phe  
 1 5 10 15  
 Ser Val Lys Gly His Val Lys Met Leu Arg Leu Ala Leu Thr Val  
 20 25 30  
 Thr Ser Met Thr Phe Phe Ile Ile Ala Gln Ala Pro Glu Pro Tyr  
 35 40 45  
 Ile Val Ile Thr Gly Phe Glu Val Thr Val Ile Leu Phe Phe Ile  
 50 55 60  
 Leu Leu Tyr Val Leu Arg Leu Asp Arg Leu Met Lys Trp Leu Phe  
 65 70 75  
 Trp Pro Leu Leu Asp Ile Ile Asn Ser Leu Val Thr Thr Val Phe  
 80 85 90  
 Met Leu Ile Val Ser Val Leu Ala Leu Ile Pro Glu Thr Thr Thr  
 95 100 105  
 Leu Thr Val Gly Gly Gly Val Phe Ala Leu Val Thr Ala Val Cys  
 110 115 120  
 Cys Leu Ala Asp Gly Ala Leu Ile Tyr Arg Lys Leu Leu Phe Asn  
 125 130 135  
 Pro Ser Gly Pro Tyr Gln Lys Lys Pro Val His Glu Lys Lys Glu  
 140 145 150  
 Val Leu

<210> 51  
 <211> 777  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 1943120

<400> 51  
 Met Thr Phe Tyr Pro Phe Val Ala Ser Ser Ser Thr Arg Arg Val  
 1 5 10 15  
 Asp Asn Ser Asn Thr Arg Leu Ala Val Gln Ile Glu Arg Asp Pro  
 20 25 30  
 Gly Asn Asp Asp Asn Asn Leu Asn Ser Ile Phe Tyr Glu His Leu  
 35 40 45  
 Thr Arg Thr Leu Leu Glu Ser Leu Cys Gly Asp Leu Val Leu Gly  
 50 55 60  
 Arg Trp Gly Asn Tyr Ser Ser Gly Asp Cys Phe Ile Leu Ala Ser  
 65 70 75  
 Asp Asp Leu Asn Ala Phe Val His Leu Ile Glu Ile Gly Asn Gly  
 80 85 90  
 Leu Val Thr Phe Gln Leu Arg Gly Leu Glu Phe Arg Gly Thr Tyr  
 95 100 105  
 Cys Gln Gln Arg Glu Val Glu Ala Ile Met Glu Gly Asp Glu Glu  
 110 115 120  
 Asp Arg Gly Cys Cys Cys Cys Lys Pro Gly His Leu Pro His Leu  
 125 130 135  
 Leu Ser Arg Asn Ala Ala Phe His Leu Arg Trp Leu Thr Trp Glu  
 140 145 150  
 Ile Thr Gln Thr Gln Tyr Ile Leu Glu Gly Tyr Ser Ile Leu Asp  
 155 160 165  
 Asn Asn Ala Ala Thr Met Leu Gln Val Phe Asp Leu Arg Arg Ile  
 170 175 180  
 Leu Ile Arg Tyr Tyr Ile Lys Ser Ile Ile Tyr Tyr Met Val Thr  
 185 190 195  
 Ser Pro Lys Leu Leu Ser Trp Ile Lys Asn Glu Ser Leu Leu Lys  
 200 205 210  
 Ser Leu Gln Pro Phe Ala Lys Trp His Tyr Ile Glu Arg Asp Leu  
 215 220 225  
 Ala Met Phe Asn Ile Asn Ile Asp Asp Asp Tyr Val Pro Cys Leu  
 230 235 240  
 Gln Gly Ile Thr Arg Ala Ser Phe Cys Asn Val Tyr Leu Glu Trp  
 245 250 255  
 Ile Gln His Cys Ala Arg Lys Arg Gln Glu Pro Ser Thr Thr Leu  
 260 265 270  
 Asp Ser Asp Glu Asp Ser Pro Leu Val Thr Leu Ser Phe Ala Leu  
 275 280 285  
 Cys Thr Leu Gly Arg Arg Ala Leu Gly Thr Ala Ala His Asn Met  
 290 295 300  
 Ala Ile Ser Leu Asp Ser Phe Leu Tyr Gly Leu His Val Leu Phe  
 305 310 315  
 Lys Gly Asp Phe Arg Ile Thr Ala Arg Asp Glu Trp Val Phe Ala  
 320 325 330  
 Asp Met Asp Leu Leu His Lys Val Val Ala Pro Ala Ile Arg Met

335 340 345  
 Ser Leu Lys Leu His Gln Asp Gln Phe Thr Cys Pro Asp Glu Tyr  
 350 355 360  
 Glu Asp Pro Ala Val Leu Tyr Glu Ala Ile Gln Ser Phe Glu Lys  
 365 370 375  
 Lys Val Val Ile Cys His Glu Gly Asp Pro Ala Trp Arg Gly Ala  
 380 385 390  
 Val Leu Ser Asn Lys Glu Glu Leu Leu Thr Leu Arg His Val Val  
 395 400 405  
 Asp Glu Gly Ala Asp Glu Tyr Lys Val Ile Met Leu His Arg Ser  
 410 415 420  
 Phe Leu Ser Phe Lys Val Ile Lys Val Asn Lys Glu Cys Val Arg  
 425 430 435  
 Gly Leu Trp Ala Gly Gln Gln Gln Glu Leu Ile Phe Leu Arg Asn  
 440 445 450  
 Arg Asn Pro Glu Arg Gly Ser Ile Gln Asn Asn Lys Gln Val Leu  
 455 460 465  
 Arg Asn Leu Ile Asn Ser Ser Cys Asp Gln Pro Leu Gly Tyr Pro  
 470 475 480  
 Met Tyr Val Ser Pro Leu Thr Thr Ser Tyr Leu Gly Thr His Arg  
 485 490 495  
 Gln Leu Lys Asn Ile Trp Gly Gly Pro Ile Thr Leu Asp Arg Ile  
 500 505 510  
 Arg Thr Trp Phe Trp Thr Lys Trp Val Arg Met Arg Lys Asp Cys  
 515 520 525  
 Asn Ala Arg Gln His Ser Gly Gly Asn Ile Glu Asp Val Asp Gly  
 530 535 540  
 Gly Gly Ala Pro Thr Thr Gly Gly Asn Asn Ala Pro Asn Gly Gly  
 545 550 555  
 Ser Gln Glu Ser Ser Ala Glu Gln Pro Arg Lys Gly Gly Ala Gln  
 560 565 570  
 His Gly Val Ser Ser Cys Glu Gly Thr Gln Arg Thr Gly Arg Arg  
 575 580 585  
 Lys Gly Arg Ser Gln Ser Val Gln Ala His Ser Ala Leu Ser Gln  
 590 595 600  
 Arg Pro Pro Met Leu Ser Ser Ser Gly Pro Ile Leu Glu Ser Arg  
 605 610 615  
 Gln Thr Phe Leu Gln Thr Ser Thr Ser Val His Glu Leu Ala Gln  
 620 625 630  
 Arg Leu Ser Gly Ser Arg Leu Ser Leu His Ala Ser Ala Thr Ser  
 635 640 645  
 Leu His Ser Gln Pro Pro Pro Val Thr Thr Thr Gly His Leu Ser  
 650 655 660  
 Val Arg Glu Arg Ala Glu Ala Leu Ile Arg Ser Ser Leu Gly Ser  
 665 670 675  
 Ser Thr Ser Ser Thr Leu Ser Phe Leu Phe Gly Lys Arg Ser Phe  
 680 685 690  
 Ser Ser Ala Leu Val Ile Ser Gly Leu Ser Ala Ala Glu Gly Gly  
 695 700 705  
 Asn Thr Ser Asp Thr Gln Ser Ser Ser Ser Val Asn Ile Val Met  
 710 715 720  
 Gly Pro Ser Ala Arg Ala Ala Ser Gln Ala Thr Arg Val Arg Gly  
 725 730 735  
 Trp Ala Gly Leu Thr Arg Thr Gly Trp Asp Gly Gly Thr Gly Ser  
 740 745 750  
 Trp Pro Glu Arg Gly Thr Cys Leu Ala Phe Pro Pro Phe Cys Leu  
 755 760 765

Gln Asn Pro Ile Pro Phe Ser Met Gly Leu Pro Glu  
770 775

<210> 52  
<211> 108  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte Clone No: 2314236

<400> 52  
Met Phe Lys His Glu Leu Glu Glu Leu Arg Thr Thr Ile Met Tyr  
1 5 10 15  
Arg Asp Ser His Ser Val Leu Ala Leu Asn Trp Lys Val Val Ala  
20 25 30  
Thr Leu Lys Tyr Phe Leu Leu Tyr Val Ile Ile Leu Tyr Asn Leu  
35 40 45  
Glu Arg Asp Asn Gly His Ser Asn Tyr Glu Asn Tyr Glu Leu Gly  
50 55 60  
Asp Lys Ser Leu Asn Leu Leu Leu Phe Tyr Asn Ser Met Tyr Lys  
65 70 75  
Leu Val Phe Pro Tyr Ile Phe Thr Phe Ser Ser Phe Leu Ile Ser  
80 85 90  
  
Ser Tyr Thr Ser Ile Leu Tyr Lys Met Phe Tyr Ile Gln Arg Thr  
95 100 105  
Val Lys Ser

<210> 53  
<211> 66  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte Clone No: 2479409

<400> 53  
Met Asn Leu Ser Lys Lys Ser Ile Leu Leu Thr Gln Val Ile Lys  
1 5 10 15  
Phe Val Asp Ile Arg Leu Phe Ile Met Val Pro Ser Tyr Pro Phe  
20 25 30  
Asn Val Phe Arg Ser Cys Val Asp Asn Phe Leu Phe Ile Met Ile  
35 40 45  
Leu Val Ile Ser Val Leu Thr Phe Leu Ile Arg Leu Gly Arg Gly  
50 55 60  
Leu Ser Val Leu Leu Ile  
65

<210> 54



<211> 540  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 2683149

<400> 54

Met	Met	Gly	Ser	Pro	Val	Ser	His	Leu	Leu	Ala	Gly	Phe	Cys	Val
1				5					10					15
Trp	Val	Val	Leu	Gly	Trp	Val	Gly	Gly	Ser	Val	Pro	Asn	Leu	Gly
				20					25					30
Pro	Ala	Glu	Gln	Glu	Gln	Asn	His	Tyr	Leu	Ala	Gln	Leu	Phe	Gly
				35					40					45
Leu	Tyr	Gly	Glu	Asn	Gly	Thr	Leu	Thr	Ala	Gly	Gly	Leu	Ala	Arg
				50					55					60
Leu	Leu	His	Ser	Leu	Gly	Leu	Gly	Arg	Val	Gln	Gly	Leu	Arg	Leu
				65					70					75
Gly	Gln	His	Gly	Pro	Leu	Thr	Gly	Arg	Ala	Ala	Ser	Pro	Ala	Ala
				80					85					90
Asp	Asn	Ser	Thr	His	Arg	Pro	Gln	Asn	Pro	Glu	Leu	Ser	Val	Asp
				95					100					105
Val	Trp	Ala	Gly	Met	Pro	Leu	Gly	Pro	Ser	Gly	Trp	Gly	Asp	Leu
				110					115					120
Glu	Glu	Ser	Lys	Ala	Pro	His	Leu	Pro	Arg	Gly	Pro	Ala	Pro	Ser
				125					130					135
Gly	Leu	Asp	Leu	Leu	His	Arg	Leu	Leu	Leu	Leu	Asp	His	Ser	Leu
				140					145					150
Ala	Asp	His	Leu	Asn	Glu	Asp	Cys	Leu	Asn	Gly	Ser	Gln	Leu	Leu
				155					160					165
Val	Asn	Phe	Gly	Leu	Ser	Pro	Ala	Ala	Pro	Leu	Thr	Pro	Arg	Gln
				170					175					180
Phe	Ala	Leu	Leu	Cys	Pro	Ala	Leu	Leu	Tyr	Gln	Ile	Asp	Ser	Arg
				185					190					195
Val	Cys	Ile	Gly	Ala	Pro	Ala	Pro	Ala	Pro	Pro	Gly	Asp	Leu	Leu
				200					205					210
Ser	Ala	Leu	Leu	Gln	Ser	Ala	Leu	Ala	Val	Leu	Leu	Leu	Ser	Leu
				215					220					225
Pro	Ser	Pro	Leu	Ser	Leu	Leu	Leu	Leu	Arg	Leu	Leu	Gly	Pro	Arg
				230					235					240
Leu	Leu	Arg	Pro	Leu	Leu	Gly	Phe	Leu	Gly	Ala	Leu	Ala	Val	Gly
				245					250					255
Thr	Leu	Cys	Gly	Asp	Ala	Leu	Leu	His	Leu	Leu	Pro	His	Ala	Gln
				260					265					270
Glu	Gly	Arg	His	Ala	Gly	Pro	Gly	Gly	Leu	Pro	Glu	Lys	Asp	Leu
				275					280					285
Gly	Pro	Gly	Leu	Ser	Val	Leu	Gly	Gly	Leu	Phe	Leu	Leu	Phe	Val
				290					295					300
Leu	Glu	Asn	Met	Leu	Gly	Leu	Leu	Arg	His	Arg	Gly	Leu	Arg	Pro
				305					310					315
Arg	Cys	Cys	Arg	Arg	Lys	Arg	Arg	Asn	Leu	Glu	Thr	Arg	Asn	Leu
				320					325					330
Asp	Pro	Glu	Asn	Gly	Ser	Gly	Met	Ala	Leu	Gln	Pro	Leu	Gln	Ala
				335					340					345
Ala	Pro	Glu	Pro	Gly	Ala	Gln	Gly	Gln	Arg	Glu	Lys	Asn	Ser	Gln

350 355 360  
 His Pro Pro Ala Leu Ala Pro Pro Gly His Gln Gly His Ser His  
 365 370 375  
 Gly His Gln Gly Gly Thr Asp Ile Thr Trp Met Val Leu Leu Gly  
 380 385 390  
 Asp Gly Leu His Asn Leu Thr Asp Gly Leu Ala Ile Gly Ala Ala  
 395 400 405  
 Phe Ser Asp Gly Phe Ser Ser Gly Leu Ser Thr Thr Leu Ala Val  
 410 415 420  
 Phe Cys His Glu Leu Pro His Glu Leu Gly Asp Phe Ala Met Leu  
 425 430 435  
 Leu Gln Ser Gly Leu Ser Phe Arg Arg Leu Leu Leu Leu Ser Leu  
 440 445 450  
 Val Ser Gly Ala Leu Gly Leu Gly Gly Ala Val Leu Gly Val Gly  
 455 460 465  
 Leu Ser Leu Gly Pro Val Pro Leu Thr Pro Trp Val Phe Gly Val  
 470 475 480  
 Thr Ala Gly Val Phe Leu Tyr Val Ala Leu Val Asp Met Leu Pro  
 485 490 495  
 Ala Leu Leu Arg Pro Pro Glu Pro Leu Pro Thr Pro His Val Leu  
 500 505 510  
 Leu Gln Gly Leu Gly Leu Leu Leu Gly Gly Gly Leu Met Leu Ala  
 515 520 525  
 Ile Thr Leu Leu Glu Glu Arg Leu Leu Pro Val Thr Thr Glu Gly  
 530 535 540

&lt;210&gt; 55

&lt;211&gt; 87

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 2774051

&lt;400&gt; 55

Met Pro Phe Thr Leu Asp Asp Tyr Gly Ala Tyr Ser Ser Gln Lys  
 1 5 10 15  
 Gln Tyr Thr Cys Gln Phe Pro Ser Thr Ile Ala Ile His Ala Glu  
 20 25 30  
 Asp Lys Arg Pro Pro Gln Ser Arg Arg Gly Ile Val Leu Gly Pro  
 35 40 45  
 Ile Phe Leu Ile Val Leu Lys Ile Ile Arg Trp Thr Val Phe  
 50 55 60  
 Cys Glu Asp Phe Leu Phe Pro Ser Ser Lys Lys Pro Cys Gly Lys  
 65 70 75  
 Asn Ser Leu Ile Thr Val Leu Ile Phe Phe Phe Phe  
 80 85

&lt;210&gt; 56

&lt;211&gt; 100

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 2869038

<400> 56  
 Met Ile Met Ala Gln Lys Ile Gly Gly Leu Thr Trp Trp Ala Ile  
   1                  5                  10                  15  
 Met Phe Ile Ile Leu Phe Glu Ile Thr Gly Thr Ser Ser Ser Phe  
                   20                  25                  30  
 Leu Arg Ile Asn Ala Leu Pro His Phe Ser Met Asn Arg Cys Gly  
                   35                  40                  45  
 Glu Ala Tyr Phe Pro Phe Ser Tyr Leu Tyr Thr Ser Leu Gln Lys  
                   50                  55                  60  
 Gln Phe Leu Met Lys Val Ser Gly Ile Val Lys Asn Leu Arg Gly  
                   65                  70                  75  
 Met Met Thr Gly Gly Val Trp Gly Phe Phe Leu Tyr Ser Phe Phe  
                   80                  85                  90  
 Asn Glu Lys Ser Phe Lys Cys Ser Thr Gly  
                   95                  100

<210> 57  
 <211> 58  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 2918334

<400> 57  
 Met Asp Leu Leu Tyr Glu Ile Leu Leu Ala Leu Tyr Tyr Asn Ile  
   1                  5                  10                  15  
 Cys Tyr Asp Ile Pro Phe Ile Phe Phe Asn Leu Asn Met Met Phe  
                   20                  25                  30  
 Tyr Ile Val Leu Asp Leu Arg Ile Val Phe Phe Arg Thr Ile Arg  
                   35                  40                  45  
 Glu Tyr Leu Ser Pro Pro Ser Leu Ser Phe Tyr Ile Tyr  
                   50                  55

<210> 58  
 <211> 61  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 2949916

<400> 58  
 Met Arg Arg Ile Ile Arg Leu Arg Leu Arg Phe Ser Asp Thr Phe

1 5 10 15  
 Met Ala Ala Phe Leu Leu Cys Leu Gly Phe Val Leu Met Leu Phe  
 20 25 30  
 Pro Ser Leu Leu Arg Asp Gly Gly Ser Ile Ser Ser Cys Arg Asn  
 35 40 45  
 Ser Cys Ser Ser Pro Ser Ser Glu Glu Arg His Phe Ser Asn Leu  
 50 55 60  
 Glu

<210> 59  
 <211> 50  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 2989375

<400> 59  
 Met Cys Leu Thr Pro His Arg Asp Ser Met Cys Glu Asp Ser Pro  
 1 5 10 15  
 Phe Thr His Gln Ile Ile Ser Met Ala Thr Ala Cys Ser Leu Leu  
 20 25 30  
 Leu Glu Cys Phe Val Leu Ala Ala Ser Leu Leu Val Cys Val Trp  
 35 40 45  
 Ser Glu Trp Arg Arg  
 50

<210> 60  
 <211> 310  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 3316764

<400> 60  
 Met Arg Arg Thr Ala Phe Ile Leu Gly Ser Gly Leu Leu Ser Phe  
 1 5 10 15  
 Val Ala Phe Trp Asn Ser Val Thr Trp His Leu Gln Arg Phe Trp  
 20 25 30  
 Gly Ala Ser Gly Tyr Phe Trp Gln Ala Gln Trp Glu Arg Leu Leu  
 35 40 45  
 Thr Thr Phe Glu Gly Lys Glu Trp Ile Leu Phe Phe Ile Gly Ala  
 50 55 60  
 Ile Gln Val Pro Cys Leu Phe Phe Trp Ser Phe Asn Gly Leu Leu  
 65 70 75  
 Leu Val Val Asp Thr Thr Gly Lys Pro Asn Phe Ile Ser Arg Tyr  
 80 85 90  
 Arg Ile Gln Val Gly Lys Asn Glu Pro Val Asp Pro Val Lys Leu  
 95 100 105

Arg Gln Ser Ile Arg Thr Val Leu Phe Asn Gln Cys Met Ile Ser  
 110 115 120  
 Phe Pro Met Val Val Phe Leu Tyr Pro Phe Leu Lys Trp Trp Arg  
 125 130 135  
 Asp Pro Cys Arg Arg Glu Leu Pro Thr Phe His Trp Phe Leu Leu  
 140 145 150  
 Glu Leu Ala Ile Phe Thr Leu Ile Glu Glu Val Leu Phe Tyr Tyr  
 155 160 165  
 Ser His Arg Leu Leu His His Pro Thr Phe Tyr Lys Lys Ile His  
 170 175 180  
 Lys Lys His His Glu Trp Thr Ala Pro Ile Gly Val Ile Ser Leu  
 185 190 195  
 Tyr Ala His Pro Ile Glu His Ala Val Ser Asn Met Leu Pro Val  
 200 205 210  
 Ile Val Gly Pro Leu Val Met Gly Ser His Leu Ser Ser Ile Thr  
 215 220 225  
 Met Trp Phe Ser Leu Ala Leu Ile Ile Thr Thr Ile Ser His Cys  
 230 235 240  
 Gly Tyr His Leu Pro Phe Leu Pro Ser Pro Glu Phe His Asp Tyr  
 245 250 255  
 His His Leu Lys Phe Asn Gln Cys Tyr Gly Val Leu Gly Val Leu  
 260 265 270  
 Asp His Leu His Gly Thr Asp Thr Met Phe Lys Gln Thr Lys Ala  
 275 280 285  
 Tyr Glu Arg His Val Leu Leu Leu Gly Phe Thr Pro Leu Ser Glu  
 290 295 300  
 Ser Ile Pro Asp Ser Pro Lys Arg Met Glu  
 305 310

&lt;210&gt; 61

&lt;211&gt; 160

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 3359559

&lt;400&gt; 61

Met Ala Pro Ala Leu Trp Arg Ala Cys Asn Gly Leu Met Ala Ala  
 1 5 10 15  
 Phe Phe Ala Leu Ala Ala Leu Val Gln Val Asn Asp Pro Asp Ala  
 20 25 30  
 Glu Val Trp Val Val Val Tyr Thr Ile Pro Ala Val Leu Thr Leu  
 35 40 45  
 Leu Val Gly Leu Asn Pro Glu Val Thr Gly Asn Val Ile Trp Lys  
 50 55 60  
 Ser Ile Ser Ala Ile His Ile Leu Phe Cys Thr Val Trp Ala Val  
 65 70 75  
 Gly Leu Ala Ser Tyr Leu Leu His Arg Thr Gln Gln Asn Ile Leu  
 80 85 90  
 His Glu Glu Glu Gly Arg Glu Leu Ser Gly Leu Val Ile Ile Thr  
 95 100 105  
 Ala Trp Ile Ile Leu Cys His Ser Ser Ser Lys Asn Pro Val Gly  
 110 115 120

Gly Arg Ile Gln Leu Ala Ile Ala Ile Val Ile Thr Leu Phe Pro  
 125 130 135  
 Phe Ile Ser Trp Val Tyr Ile Tyr Ile Asn Lys Glu Met Arg Ser  
 140 145 150  
 Ser Trp Pro Thr His Cys Lys Thr Val Ile  
 155 160

<210> 62

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone No: 4289208

<400> 62

Met Ala Val Val Asp Ala Gly Asn Asn Gly Lys Val Leu Asp Arg  
 1 5 10 15  
 Val Cys Val Arg Ser Val Pro Ala Leu Phe Leu Ser Lys Cys Ile  
 20 25 30  
 Ser Leu Asp Met Glu  
 35

<210> 63

<211> 323

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone No: 2454013

<400> 63

Met Ala Ala Pro Lys Gly Ser Leu Trp Val Arg Thr Gln Leu Gly  
 1 5 10 15  
 Leu Pro Pro Leu Leu Leu Thr Met Ala Leu Ala Gly Gly Ser  
 20 25 30  
 Gly Thr Ala Ser Ala Glu Ala Phe Asp Ser Val Leu Gly Asp Thr  
 35 40 45  
 Ala Ser Cys His Arg Ala Cys Gln Leu Thr Tyr Pro Leu His Thr  
 50 55 60  
 Tyr Pro Lys Glu Glu Glu Leu Tyr Ala Cys Gln Arg Gly Cys Arg  
 65 70 75  
 Leu Phe Ser Ile Cys Gln Phe Val Asp Asp Gly Ile Asp Leu Asn  
 80 85 90  
 Arg Thr Lys Leu Glu Cys Glu Ser Ala Cys Thr Glu Ala Tyr Ser  
 95 100 105  
 Gln Ser Asp Glu Gln Tyr Ala Cys His Leu Gly Cys Gln Asn Gln  
 110 115 120  
 Leu Pro Phe Ala Glu Leu Arg Gln Glu Leu Met Ser Leu Met  
 125 130 135  
 Pro Lys Met His Leu Leu Phe Pro Leu Thr Leu Val Arg Ser Phe

140 145 150  
 Trp Ser Asp Met Met Asp Ser Ala Gln Ser Phe Ile Thr Ser Ser  
 155 160 165  
 Trp Thr Phe Tyr Leu Gln Ala Asp Asp Gly Lys Ile Val Ile Phe  
 170 175 180  
 Gln Ser Lys Pro Glu Ile Gln Tyr Ala Pro His Leu Glu Gln Glu  
 185 190 195  
 Pro Thr Asn Leu Arg Glu Ser Ser Leu Ser Lys Met Ser Tyr Leu  
 200 205 210  
 Gln Met Arg Asn Ser Gln Ala His Arg Asn Phe Leu Glu Asp Gly  
 215 220 225  
 Glu Ser Asp Gly Phe Leu Arg Cys Leu Ser Leu Asn Ser Gly Trp  
 230 235 240  
 Ile Leu Thr Thr Thr Leu Val Leu Ser Val Met Val Leu Leu Trp  
 245 250 255  
 Ile Cys Cys Ala Thr Val Ala Thr Ala Val Glu Gln Tyr Val Pro  
 260 265 270  
 Ser Glu Lys Leu Ser Ile Tyr Gly Asp Leu Glu Phe Met Asn Glu  
 275 280 285  
 Gln Lys Leu Asn Arg Tyr Pro Ala Ser Ser Leu Val Val Val Arg  
 290 295 300  
 Ser Lys Thr Glu Asp His Glu Glu Ala Gly Pro Leu Pro Thr Lys  
 305 310 315  
 Val Asn Leu Ala His Ser Glu Ile  
 320

<210> 64

<211> 129

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone No: 2454048

<400> 64

Met Ala Arg Gly Ser Leu Arg Arg Leu Leu Arg Leu Leu Val Leu  
 1 5 10 15  
 Gly Leu Trp Leu Ala Leu Leu Arg Ser Val Ala Gly Glu Gln Ala  
 20 25 30  
 Pro Gly Thr Ala Pro Cys Ser Arg Gly Ser Ser Trp Ser Ala Asp  
 35 40 45  
 Leu Asp Lys Cys Met Asp Cys Ala Ser Cys Arg Ala Arg Pro His  
 50 55 60  
 Ser Asp Phe Cys Leu Gly Cys Ala Ala Ala Pro Pro Ala Pro Phe  
 65 70 75  
 Arg Leu Leu Trp Pro Ile Leu Gly Gly Ala Leu Ser Leu Thr Phe  
 80 85 90  
 Val Leu Gly Leu Leu Ser Gly Phe Leu Val Trp Arg Arg Cys Arg  
 95 100 105  
 Arg Arg Glu Lys Phe Thr Thr Pro Ile Glu Glu Thr Gly Gly Glu  
 110 115 120  
 Gly Cys Pro Ala Val Ala Leu Ile Gln  
 125

<210> 65  
 <211> 461  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 2479282

<400> 65  
 Met Ala Pro Gln Ser Leu Pro Ser Ser Arg Met Ala Pro Leu Gly  
 1 5 10 15  
 Met Leu Leu Gly Leu Leu Met Ala Ala Cys Phe Thr Phe Cys Leu  
 20 25 30  
 Ser His Gln Asn Leu Lys Glu Phe Ala Leu Thr Asn Pro Glu Lys  
 35 40 45  
 Ser Ser Thr Lys Glu Thr Glu Arg Lys Glu Thr Lys Ala Glu Glu  
 50 55 60  
 Glu Leu Asp Ala Glu Val Leu Glu Val Phe His Pro Thr His Glu  
 65 70 75  
 Trp Gln Ala Leu Gln Pro Gly Gln Ala Val Pro Ala Gly Ser His  
 80 85 90  
 Val Arg Leu Asn Leu Gln Thr Gly Glu Arg Glu Ala Lys Leu Gln  
 95 100 105  
 Tyr Glu Asp Lys Phe Arg Asn Asn Leu Lys Gly Lys Arg Leu Asp  
 110 115 120  
 Ile Asn Thr Asn Thr Tyr Thr Ser Gln Asp Leu Lys Ser Ala Leu  
 125 130 135  
 Ala Lys Phe Lys Glu Gly Ala Glu Met Glu Ser Ser Lys Glu Asp  
 140 145 150  
 Lys Ala Arg Gln Ala Glu Val Lys Arg Leu Phe Arg Pro Ile Glu  
 155 160 165  
 Glu Leu Lys Lys Asp Phe Asp Glu Leu Asn Val Val Ile Glu Thr  
 170 175 180  
 Asp Met Gln Ile Met Val Arg Leu Ile Asn Lys Phe Asn Ser Ser  
 185 190 195  
 Ser Ser Ser Leu Glu Glu Lys Ile Ala Ala Leu Phe Asp Leu Glu  
 200 205 210  
 Tyr Tyr Val His Gln Met Asp Asn Ala Gln Asp Leu Leu Ser Phe  
 215 220 225  
 Gly Gly Leu Gln Val Val Ile Asn Gly Leu Asn Ser Thr Glu Pro  
 230 235 240  
 Leu Val Lys Glu Tyr Ala Ala Phe Val Leu Gly Ala Ala Phe Ser  
 245 250 255  
 Ser Asn Pro Lys Val Gln Val Glu Ala Ile Glu Gly Gly Ala Leu  
 260 265 270  
 Gln Lys Leu Leu Val Ile Leu Ala Thr Glu Gln Pro Leu Thr Ala  
 275 280 285  
 Lys Lys Lys Val Leu Phe Ala Leu Cys Ser Leu Leu Arg His Phe  
 290 295 300  
 Pro Tyr Ala Gln Arg Gln Phe Leu Lys Leu Gly Gly Leu Gln Val  
 305 310 315  
 Leu Arg Thr Leu Val Gln Glu Lys Gly Thr Glu Val Leu Ala Val  
 320 325 330  
 Arg Val Val Thr Leu Leu Tyr Asp Leu Val Thr Glu Lys Met Phe  
 335 340 345



Ala Glu Glu Glu Ala Glu Leu Thr Gln Glu Met Ser Pro Glu Lys  
350 355 360  
Leu Gln Gln Tyr Arg Gln Val His Leu Leu Pro Gly Leu Trp Glu  
365 370 375  
Gln Gly Trp Cys Glu Ile Thr Ala His Leu Leu Ala Leu Pro Glu  
380 385 390  
His Asp Ala Arg Glu Lys Val Leu Gln Thr Leu Gly Val Leu Leu  
395 400 405  
Thr Thr Cys Arg Asp Arg Tyr Arg Gln Asp Pro Gln Leu Gly Arg  
410 415 420  
Thr Leu Ala Ser Leu Gln Ala Glu Tyr Gln Val Leu Ala Ser Leu  
425 430 435  
Glu Leu Gln Asp Gly Glu Asp Glu Gly Tyr Phe Gln Glu Leu Leu  
440 445 450  
Gly Ser Val Asn Ser Leu Leu Lys Glu Leu Arg  
455 460

<210> 66

<211> 264

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone No: 2483432

<400> 66

Met Arg Pro Leu Leu Gly Leu Leu Leu Val Phe Ala Gly Cys Thr  
1 5 10 15  
Phe Ala Leu Tyr Leu Leu Ser Thr Arg Leu Pro Arg Gly Arg Arg  
20 25 30  
Leu Gly Ser Thr Glu Glu Ala Gly Gly Arg Ser Leu Trp Phe Pro  
35 40 45  
Ser Asp Leu Ala Glu Leu Arg Glu Leu Ser Glu Val Leu Arg Glu  
50 55 60  
Tyr Arg Lys Glu His Gln Ala Tyr Val Phe Leu Leu Phe Cys Gly  
65 70 75  
Ala Tyr Leu Tyr Lys Gln Gly Phe Ala Ile Pro Gly Ser Ser Phe  
80 85 90  
Leu Asn Val Leu Ala Gly Ala Leu Phe Gly Pro Trp Leu Gly Leu  
95 100 105  
Leu Leu Cys Cys Val Leu Thr Ser Val Gly Ala Thr Cys Cys Tyr  
110 115 120  
Leu Leu Ser Ser Ile Phe Gly Lys Gln Leu Val Val Ser Tyr Phe  
125 130 135  
Pro Asp Lys Val Ala Leu Leu Gln Arg Lys Val Glu Glu Asn Arg  
140 145 150  
Asn Ser Leu Phe Phe Phe Leu Leu Phe Leu Arg Leu Phe Pro Met  
155 160 165  
Thr Pro Asn Trp Phe Leu Asn Leu Ser Ala Pro Ile Leu Asn Ile  
170 175 180  
Pro Ile Val Gln Phe Phe Phe Ser Val Leu Ile Gly Leu Ile Pro  
185 190 195  
Tyr Asn Phe Ile Cys Val Gln Thr Gly Ser Ile Leu Ser Thr Leu  
200 205 210

Thr Ser Leu Asp Ala Leu Phe Ser Trp Asp Thr Val Phe Lys Leu  
 215 220 225  
 Leu Ala Ile Ala Met Val Ala Leu Ile Pro Gly Thr Leu Ile Lys  
 230 235 240  
 Lys Phe Ser Gln Lys His Leu Gln Leu Asn Glu Thr Ser Thr Ala  
 245 250 255  
 Asn His Ile His Ser Arg Lys Asp Thr  
 260

<210> 67

<211> 339

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone No: 2493824

<400> 67

Met Ala Ala Ala Cys Gly Pro Gly Ala Ala Gly Tyr Cys Leu Leu  
 1 5 10 15  
 Leu Gly Leu His Leu Phe Leu Leu Thr Ala Gly Pro Ala Leu Gly  
 20 25 30  
 Trp Asn Asp Pro Asp Arg Met Leu Leu Arg Asp Val Lys Ala Leu  
 35 40 45  
 Thr Leu His Tyr Asp Arg Tyr Thr Thr Ser Arg Arg Leu Asp Pro  
 50 55 60  
 Ile Pro Gln Leu Lys Cys Val Gly Gly Thr Ala Gly Cys Asp Ser  
 65 70 75  
 Tyr Thr Pro Lys Val Ile Gln Cys Gln Asn Lys Gly Trp Asp Gly  
 80 85 90  
 Tyr Asp Val Gln Trp Glu Cys Lys Thr Asp Leu Asp Ile Ala Tyr  
 95 100 105  
 Lys Phe Gly Lys Thr Val Val Ser Cys Glu Gly Tyr Glu Ser Ser  
 110 115 120  
 Glu Asp Gln Tyr Val Leu Arg Gly Ser Cys Gly Leu Glu Tyr Asn  
 125 130 135  
 Leu Asp Tyr Thr Glu Leu Gly Leu Gln Lys Leu Lys Glu Ser Gly  
 140 145 150  
 Lys Gln His Gly Phe Ala Ser Phe Ser Asp Tyr Tyr Tyr Lys Trp  
 155 160 165  
 Ser Ser Ala Asp Ser Cys Asn Met Ser Gly Leu Ile Thr Ile Val  
 170 175 180  
 Val Leu Leu Gly Ile Ala Phe Val Val Tyr Lys Leu Phe Leu Ser  
 185 190 195  
 Asp Gly Gln Tyr Ser Pro Pro Pro Tyr Ser Glu Tyr Pro Pro Phe  
 200 205 210  
 Ser His Arg Tyr Gln Arg Phe Thr Asn Ser Ala Gly Pro Pro Pro  
 215 220 225  
 Pro Gly Phe Lys Ser Glu Phe Thr Gly Pro Gln Asn Thr Gly His  
 230 235 240  
 Gly Ala Thr Ser Gly Phe Gly Ser Ala Phe Thr Gly Gln Gln Gly  
 245 250 255

Tyr Glu Asn Ser Gly Pro Gly Phe Trp Thr Gly Leu Gly Thr Gly  
 260 265 270  
 Gly Ile Leu Gly Tyr Leu Phe Gly Ser Asn Arg Ala Ala Thr Pro  
 275 280 285  
 Phe Ser Asp Ser Trp Tyr Tyr Pro Ser Tyr Pro Pro Ser Tyr Pro  
 290 295 300  
 Gly Thr Trp Asn Arg Ala Tyr Ser Pro Leu His Gly Gly Ser Gly  
 305 310 315  
 Ser Tyr Ser Val Cys Ser Asn Ser Asp Thr Lys Thr Arg Thr Ala  
 320 325 330  
 Ser Gly Tyr Gly Gly Thr Arg Arg Arg  
 335

&lt;210&gt; 68

&lt;211&gt; 397

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 2555823

&lt;400&gt; 68

Met Val Arg Pro Gly Ala Arg Leu Cys Leu Gly Ser Val Gly Arg  
 1 5 10 15  
 Gly Leu Cys Leu Val Leu Pro Leu Leu Cys Leu Gly Ala Gly Phe  
 20 25 30  
 Leu Phe Leu Asn Thr Leu Phe Ile Gln Arg Gly Arg His Glu Thr  
 35 40 45  
 Thr Trp Thr Ile Leu Arg Arg Phe Gly Tyr Ser Asp Ala Leu Glu  
 50 55 60  
 Leu Thr Ala Asp Tyr Leu Ser Pro Leu Ile His Val Pro Pro Gly  
 65 70 75  
 Cys Ser Thr Glu Leu Asn His Leu Gly Tyr Gln Phe Val Gln Arg  
 80 85 90  
 Val Phe Glu Lys His Asp Gln Asp Arg Asp Gly Ala Leu Ser Pro  
 95 100 105  
 Val Glu Leu Gln Ser Leu Phe Ser Val Phe Pro Ala Ala Pro Trp  
 110 115 120  
 Gly Pro Glu Leu Pro Arg Thr Val Arg Thr Glu Ala Gly Arg Leu  
 125 130 135  
 Pro Leu His Gly Tyr Leu Cys Gln Trp Thr Leu Val Thr Tyr Leu  
 140 145 150  
 Asp Val Arg Ser Cys Leu Gly His Leu Gly Tyr Leu Gly Tyr Pro  
 155 160 165  
 Thr Leu Cys Glu Gln Asp Gln Ala His Ala Ile Thr Val Thr Arg  
 170 175 180  
 Glu Lys Arg Leu Asp Gln Glu Lys Gly Gln Thr Gln Arg Ser Val  
 185 190 195  
 Leu Leu Cys Lys Val Val Gly Ala Arg Gly Val Gly Lys Ser Ala  
 200 205 210  
 Phe Leu Gln Ala Phe Leu Gly Arg Gly Leu Gly His Gln Asp Thr  
 215 220 225  
 Arg Glu Gln Pro Pro Gly Tyr Ala Ile Asp Thr Val Gln Val Asn  
 230 235 240

Gly Gln Glu Lys Tyr Leu Ile Leu Cys Glu Val Gly Thr Asp Gly  
 245 250 255  
 Leu Leu Ala Thr Ser Leu Asp Ala Thr Cys Asp Val Ala Cys Leu  
 260 265 270  
 Met Phe Asp Gly Ser Asp Pro Lys Ser Phe Ala His Cys Ala Ser  
 275 280 285  
 Val Tyr Lys His His Tyr Met Asp Gly Gln Thr Pro Cys Leu Phe  
 290 295 300  
 Val Ser Ser Lys Ala Asp Leu Pro Glu Gly Val Ala Val Ser Gly  
 305 310 315  
 Pro Ser Pro Ala Glu Phe Cys Arg Lys His Arg Leu Pro Ala Pro  
 320 325 330  
 Val Pro Phe Ser Cys Ala Gly Pro Ala Glu Pro Ser Thr Thr Ile  
 335 340 345  
 Phe Thr Gln Leu Ala Thr Met Ala Ala Phe Pro His Leu Val His  
 350 355 360  
 Ala Glu Leu His Pro Ser Ser Phe Trp Leu Arg Gly Leu Leu Gly  
 365 370 375  
 Val Val Gly Ala Ala Val Ala Ala Val Leu Ser Phe Ser Leu Tyr  
 380 385 390  
 Arg Val Leu Val Lys Ser Gln  
 395

<210> 69

<211> 301

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone No: 2598242

<400> 69

Met Glu Leu Ser Asp Val Thr Leu Ile Glu Gly Val Gly Asn Glu  
 1 5 10 15  
 Val Met Val Val Ala Gly Val Val Val Leu Ile Leu Ala Leu Val  
 20 25 30  
 Leu Ala Trp Leu Ser Thr Tyr Val Ala Asp Ser Gly Ser Asn Gln  
 35 40 45  
 Leu Leu Gly Ala Ile Val Ser Ala Gly Asp Thr Ser Val Leu His  
 50 55 60  
 Leu Gly His Val Asp His Leu Val Ala Gly Gln Gly Asn Pro Glu  
 65 70 75  
 Pro Thr Glu Leu Pro His Pro Ser Glu Gly Asn Asp Glu Lys Ala  
 80 85 90  
 Glu Glu Ala Gly Glu Gly Arg Gly Asp Ser Thr Gly Glu Ala Gly  
 95 100 105  
 Ala Gly Gly Gly Val Glu Pro Ser Leu Glu His Leu Leu Asp Ile  
 110 115 120  
 Gln Gly Leu Pro Lys Arg Gln Ala Gly Ala Gly Ser Ser Ser Pro  
 125 130 135  
 Glu Ala Pro Leu Arg Ser Glu Asp Ser Thr Cys Leu Pro Pro Ser  
 140 145 150  
 Pro Gly Leu Ile Thr Val Arg Leu Lys Phe Leu Asn Asp Thr Glu  
 155 160 165

Glu Leu Ala Val Ala Arg Pro Glu Asp Thr Val Gly Ala Leu Lys  
 170 175 180  
 Ser Lys Tyr Phe Pro Gly Gln Glu Ser Gln Met Lys Leu Ile Tyr  
 185 190 195  
 Gln Gly Arg Leu Leu Gln Asp Pro Ala Arg Thr Leu Arg Ser Leu  
 200 205 210  
 Asn Ile Thr Asp Asn Cys Val Ile His Cys His Arg Ser Pro Pro  
 215 220 225  
 Gly Ser Ala Val Pro Gly Pro Ser Ala Ser Leu Ala Pro Ser Ala  
 230 235 240  
 Thr Glu Pro Pro Ser Leu Gly Val Asn Val Gly Ser Leu Met Val  
 245 250 255  
 Pro Val Phe Val Val Leu Leu Gly Val Val Trp Tyr Phe Arg Ile  
 260 265 270  
 Asn Tyr Arg Gln Phe Phe Thr Ala Pro Ala Thr Val Ser Leu Val  
 275 280 285  
 Gly Val Thr Val Phe Phe Ser Phe Leu Val Phe Gly Met Tyr Gly  
 290 295 300  
 Arg

<210> 70  
 <211> 217  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 2634120

<400> 70  
 Met Val Glu Val Gln Leu Glu Ser Asp His Glu Tyr Pro Pro Gly  
 1 5 10 15  
 Leu Leu Val Ala Phe Ser Ala Cys Thr Thr Val Leu Val Ala Val  
 20 25 30  
 His Leu Phe Ala Leu Met Val Ser Thr Cys Leu Leu Pro His Ile  
 35 40 45  
 Glu Ala Val Ser Asn Ile His Asn Leu Asn Ser Val His Gln Ser  
 50 55 60  
 Pro His Gln Arg Leu His Arg Tyr Val Glu Leu Ala Trp Gly Phe  
 65 70 75  
 Ser Thr Ala Leu Gly Thr Phe Leu Phe Leu Ala Glu Val Val Leu  
 80 85 90  
 Val Gly Trp Val Lys Phe Val Pro Ile Gly Ala Pro Leu Asp Thr  
 95 100 105  
 Pro Thr Pro Met Val Pro Thr Ser Arg Val Pro Gly Thr Leu Ala  
 110 115 120  
 Pro Val Ala Thr Ser Leu Ser Pro Ala Ser Asn Leu Pro Arg Ser  
 125 130 135  
 Ser Ala Ser Ala Ala Pro Ser Gln Ala Glu Pro Ala Cys Pro Pro  
 140 145 150  
 Arg Gln Ala Cys Gly Gly Gly Gly Ala His Gly Pro Gly Trp Gln  
 155 160 165  
 Ala Ala Met Ala Ser Thr Ala Ile Met Val Pro Val Gly Leu Val  
 170 175 180  
 Phe Val Ala Phe Ala Leu His Phe Tyr Arg Ser Leu Val Ala His

185 190 195  
 Lys Thr Asp Arg Tyr Lys Gln Glu Leu Glu Glu Leu Asn Arg Leu  
 200 205 210  
 Gln Gly Glu Leu Gln Ala Val  
 215

<210> 71  
 <211> 143  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 2765411

<400> 71  
 Met Phe Pro Val Leu Gly Trp Ile Leu Ile Ala Val Val Ile Ile  
 1 5 10 15  
 Ile Leu Leu Ile Phe Thr Ser Val Thr Arg Cys Leu Ser Pro Val  
 20 25 30  
 Ser Phe Leu Gln Leu Lys Phe Trp Lys Ile Tyr Leu Glu Gln Glu  
 35 40 45  
 Gln Gln Ile Leu Lys Ser Lys Ala Thr Glu His Ala Thr Glu Leu  
 50 55 60  
 Ala Lys Glu Asn Ile Lys Cys Phe Phe Glu Gly Ser His Pro Lys  
 65 70 75  
 Glu Tyr Asn Thr Pro Ser Met Lys Glu Trp Gln Gln Ile Ser Ser  
 80 85 90  
 Leu Tyr Thr Phe Asn Pro Lys Gly Gln Tyr Tyr Ser Met Leu His  
 95 100 105  
 Lys Tyr Val Asn Arg Lys Glu Lys Thr His Ser Ile Arg Ser Thr  
 110 115 120  
 Glu Gly Asp Thr Val Ile Pro Val Leu Gly Phe Val Asp Ser Ser  
 125 130 135  
 Gly Ile Asn Ser Thr Pro Glu Leu  
 140

<210> 72  
 <211> 186  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 2769412

<400> 72  
 Met Ser Gly Ile Ser Gly Cys Pro Phe Phe Leu Trp Gly Leu Leu  
 1 5 10 15  
 Ala Leu Leu Gly Leu Ala Leu Val Ile Ser Leu Ile Phe Asn Ile  
 20 25 30

Ser His Tyr Val Glu Lys Gln Arg Gln Asp Lys Met Tyr Ser Tyr  
 35 40 45  
 Ser Ser Asp His Thr Arg Val Asp Glu Tyr Tyr Ile Glu Asp Thr  
 50 55 60  
 Pro Ile Tyr Gly Asn Leu Asp Asp Met Ile Ser Glu Pro Met Asp  
 65 70 75  
 Glu Asn Cys Tyr Glu Gln Met Lys Ala Arg Pro Glu Lys Ser Val  
 80 85 90  
 Asn Lys Met Gln Glu Ala Thr Pro Ser Ala Gln Ala Thr Asn Glu  
 95 100 105  
 Thr Gln Met Cys Tyr Ala Ser Leu Asp His Ser Val Lys Gly Lys  
 110 115 120  
 Arg Arg Lys Pro Arg Lys Gln Asn Thr His Phe Ser Asp Lys Asp  
 125 130 135  
 Gly Asp Glu Gln Leu His Ala Ile Asp Ala Ser Val Ser Lys Thr  
 140 145 150  
 Thr Leu Val Asp Ser Phe Ser Pro Glu Ser Gln Ala Val Glu Glu  
 155 160 165  
 Asn Ile His Asp Asp Pro Ile Arg Leu Phe Gly Leu Ile Arg Ala  
 170 175 180  
 Lys Arg Glu Pro Ile Asn  
 185

<210> 73

<211> 364

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone No: 2842779

<400> 73

Met Pro Gly Cys Pro Cys Pro Gly Cys Gly Met Ala Gly Pro Arg  
 1 5 10 15  
 Leu Leu Phe Leu Thr Ala Leu Ala Leu Glu Leu Leu Gly Arg Ala  
 20 25 30  
 Gly Gly Ser Gln Pro Ala Leu Arg Ser Arg Gly Thr Ala Thr Ala  
 35 40 45  
 Cys Arg Leu Asp Asn Lys Glu Ser Glu Ser Trp Gly Ala Leu Leu  
 50 55 60  
 Ser Gly Glu Arg Leu Asp Thr Trp Ile Cys Ser Leu Leu Gly Ser  
 65 70 75  
 Leu Met Val Gly Leu Ser Gly Val Phe Pro Leu Leu Val Ile Pro  
 80 85 90  
 Leu Glu Met Gly Thr Met Leu Arg Ser Glu Ala Gly Ala Trp Arg  
 95 100 105  
 Leu Lys Gln Leu Leu Ser Phe Ala Leu Gly Gly Leu Leu Gly Asn  
 110 115 120  
 Val Phe Leu His Leu Leu Pro Glu Ala Trp Ala Tyr Thr Cys Ser  
 125 130 135  
 Ala Ser Pro Gly Gly Glu Gly Gln Ser Leu Gln Gln Gln Gln Gln  
 140 145 150  
 Leu Gly Leu Trp Val Ile Ala Gly Ile Leu Thr Phe Leu Ala Leu  
 155 160 165

Glu Lys Met Phe Leu Asp Ser Lys Glu Glu Gly Thr Ser Gln Ala  
 170 175 180  
 Pro Asn Lys Asp Pro Thr Ala Ala Ala Ala Leu Asn Gly Gly  
 185 190 195  
 His Cys Leu Ala Gln Pro Ala Ala Glu Pro Gly Leu Gly Ala Val  
 200 205 210  
 Val Arg Ser Ile Lys Val Ser Gly Tyr Leu Asn Leu Leu Ala Asn  
 215 220 225  
 Thr Ile Asp Asn Phe Thr His Gly Leu Ala Val Ala Ala Ser Phe  
 230 235 240  
 Leu Val Ser Lys Lys Ile Gly Leu Leu Thr Thr Met Ala Ile Leu  
 245 250 255  
 Leu His Glu Ile Pro His Glu Val Gly Asp Phe Ala Ile Leu Leu  
 260 265 270  
 Arg Ala Gly Phe Asp Arg Trp Ser Ala Ala Lys Leu Gln Leu Ser  
 275 280 285  
 Thr Ala Leu Gly Gly Leu Leu Gly Ala Gly Phe Ala Ile Cys Thr  
 290 295 300  
 Gln Ser Pro Lys Gly Val Glu Glu Thr Ala Ala Trp Val Leu Pro  
 305 310 315  
 Phe Thr Ser Gly Gly Phe Leu Tyr Ile Ala Leu Val Asn Val Leu  
 320 325 330  
 Pro Asp Leu Leu Glu Glu Glu Asp Pro Trp Arg Ser Leu Gln Gln  
 335 340 345  
 Leu Leu Leu Leu Cys Ala Gly Ile Val Val Met Val Leu Phe Ser  
 350 355 360  
 Leu Phe Val Asp

&lt;210&gt; 74

&lt;211&gt; 605

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 2966260

&lt;400&gt; 74

Met Gly Arg Leu Leu Arg Ala Ala Arg Leu Pro Pro Leu Leu Ser  
 1 5 10 15  
 Pro Leu Leu Leu Leu Val Gly Gly Ala Phe Leu Gly Ala Cys  
 20 25 30  
 Val Ala Gly Ser Asp Glu Pro Gly Pro Glu Gly Leu Thr Ser Thr  
 35 40 45  
 Ser Leu Leu Asp Leu Leu Leu Pro Thr Gly Leu Glu Pro Leu Asp  
 50 55 60  
 Ser Glu Glu Pro Ser Glu Thr Met Gly Leu Gly Ala Gly Leu Gly  
 65 70 75  
 Ala Pro Gly Ser Gly Phe Pro Ser Glu Glu Asn Glu Glu Ser Arg  
 80 85 90  
 Ile Leu Gln Pro Pro Gln Tyr Phe Trp Glu Glu Glu Glu Glu Leu  
 95 100 105  
 Asn Asp Ser Ser Leu Asp Leu Gly Pro Thr Ala Asp Tyr Val Phe  
 110 115 120



Pro Asp Leu Thr Glu Lys Ala Gly Ser Ile Glu Asp Thr Ser Gln  
125 130 135  
Ala Gln Glu Leu Pro Asn Leu Pro Ser Pro Leu Pro Lys Met Asn  
140 145 150  
Leu Val Glu Pro Pro Trp His Met Pro Pro Arg Glu Glu Glu Glu  
155 160 165  
Glu Glu Glu Glu Glu Glu Glu Met Glu Lys Glu Glu Val Glu Lys  
170 175 180  
Gln Asp Val Glu Glu Glu Glu Glu Leu Leu Pro Val Asn Gly Ser  
185 190 195  
Gln Glu Glu Ala Lys Pro Gln Val Arg Asp Phe Ser Leu Thr Ser  
200 205 210  
Ser Ser Gln Thr Pro Gly Ala Thr Lys Ser Arg His Glu Asp Ser  
215 220 225  
Gly Asp Gln Ala Ser Ser Gly Val Glu Val Glu Ser Ser Met Gly  
230 235 240  
Pro Ser Leu Leu Leu Pro Ser Val Thr Pro Thr Ile Val Thr Pro  
245 250 255  
Gly Asp Gln Asp Ser Thr Ser Gln Glu Ala Glu Ala Thr Val Leu  
260 265 270  
Pro Ala Ala Gly Leu Gly Val Glu Phe Glu Ala Pro Gln Glu Ala  
275 280 285  
Ser Glu Glu Ala Thr Ala Gly Ala Ala Gly Leu Ser Gly Gln His  
290 295 300  
Glu Glu Val Pro Ala Leu Pro Ser Phe Pro Gln Thr Thr Ala Pro  
305 310 315  
Ser Gly Ala Glu His Pro Asp Glu Asp Pro Leu Gly Ser Arg Thr  
320 325 330  
Ser Ala Ser Ser Pro Leu Ala Pro Gly Asp Met Glu Leu Thr Pro  
335 340 345  
Ser Ser Ala Thr Leu Gly Gln Glu Asp Leu Asn Gln Gln Leu Leu  
350 355 360  
Glu Gly Gln Ala Ala Glu Ala Gln Ser Arg Ile Pro Trp Asp Ser  
365 370 375  
Thr Gln Val Ile Cys Lys Asp Trp Ser Asn Leu Ala Gly Lys Asn  
380 385 390  
Tyr Ile Ile Leu Asn Met Thr Glu Asn Ile Asp Cys Glu Val Phe  
395 400 405  
Arg Gln His Arg Gly Pro Gln Leu Leu Ala Leu Val Glu Glu Val  
410 415 420  
Leu Pro Arg His Gly Ser Gly His His Gly Ala Trp His Ile Ser  
425 430 435  
Leu Ser Lys Pro Ser Glu Lys Glu Gln His Leu Leu Met Thr Leu  
440 445 450  
Val Gly Glu Gln Gly Val Val Pro Thr Gln Asp Val Leu Ser Met  
455 460 465  
Leu Gly Asp Ile Arg Arg Ser Leu Glu Glu Ile Gly Ile Gln Asn  
470 475 480  
Tyr Ser Thr Thr Ser Ser Cys Gln Ala Arg Ala Ser Gln Val Arg  
485 490 495  
Ser Asp Tyr Gly Thr Leu Phe Val Val Leu Val Val Ile Gly Ala  
500 505 510  
Ile Cys Ile Ile Ile Ile Ala Leu Gly Leu Leu Tyr Asn Cys Trp  
515 520 525  
Gln Arg Arg Leu Pro Lys Leu Lys His Val Ser His Gly Glu Glu  
530 535 540  
Leu Arg Phe Val Glu Asn Gly Cys His Asp Asn Pro Thr Leu Asp

545 550 555  
 Val Ala Ser Asp Ser Gln Ser Glu Met Gln Glu Lys His Pro Ser  
 560 565 570  
 Leu Asn Gly Gly Gly Ala Leu Asn Gly Pro Gly Ser Trp Gly Ala  
 575 580 585  
 Leu Met Gly Gly Lys Arg Asp Pro Glu Asp Ser Asp Val Phe Glu  
 590 595 600  
 Glu Asp Thr His Leu  
 605

<210> 75  
 <211> 97  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 2993326

<400> 75  
 Met Thr Gly Arg Phe Lys Ala Cys Gln Val Ile Leu Gly Leu Leu  
 1 5 10 15  
 Val Ala Ile Ser Leu Ala Ala Gly Thr Gly Gly Ala Ala Gly Ala  
 20 25 30  
 Ala Leu Val Ile Val Phe Ile Gly Ala Phe Leu Val Leu Leu Phe  
 35 40 45  
 Leu Gly Arg Leu Thr Thr Gly Gly Ser Met Ala Arg Glu Ser Leu  
 50 55 60  
 Val Ala Ala Asn Arg Val Cys Ile Ser Arg Thr Leu Ser Ser Ser  
 65 70 75  
 Val Val Ser Val Cys Ile Ser Gly Gly Lys Gly Ser Pro Arg Leu  
 80 85 90  
 Pro Gly Gly Gly Arg Gly Pro  
 95

<210> 76  
 <211> 247  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 3001124

<400> 76  
 Met Val Thr Leu Val Ser Asp Thr Ala Met Thr Pro Ile Ala Ser  
 1 5 10 15  
 Val Asp Thr Ile Ala Val Cys Leu Phe Ala Gly Ala Trp Gly Gly  
 20 25 30  
 Ala Met Val Pro Met His Leu Leu Gly Arg Leu Glu Lys Pro Leu  
 35 40 45  
 Leu Leu Leu Cys Cys Ala Ser Phe Leu Leu Gly Leu Ala Leu Leu

50 55 60  
 Gly Ile Lys Thr Asp Ile Thr Pro Val Ala Tyr Phe Phe Leu Thr  
 65 70 75  
 Leu Gly Gly Phe Phe Leu Phe Ala Tyr Leu Leu Val Arg Phe Leu  
 80 85 90  
 Glu Trp Gly Leu Arg Ser Gln Leu Gln Ser Met Gln Thr Glu Ser  
 95 100 105  
 Pro Gly Pro Ser Gly Asn Ala Arg Asp Asn Glu Ala Phe Glu Val  
 110 115 120  
 Pro Val Tyr Glu Glu Ala Val Val Gly Leu Glu Ser Gln Cys Arg  
 125 130 135  
 Pro Gln Glu Leu Asp Gln Pro Pro Pro Tyr Ser Thr Val Val Ile  
 140 145 150  
 Pro Pro Ala Pro Glu Glu Glu Gln Pro Ser His Pro Glu Gly Ser  
 155 160 165  
 Arg Arg Ala Lys Leu Glu Gln Arg Arg Met Ala Ser Glu Gly Ser  
 170 175 180  
 Met Ala Gln Glu Gly Ser Pro Gly Arg Ala Pro Ile Asn Leu Arg  
 185 190 195  
 Leu Arg Gly Pro Arg Ala Val Ser Thr Ala Pro Asp Leu Gln Ser  
 200 205 210  
 Leu Ala Ala Val Pro Thr Leu Glu Pro Leu Thr Pro Pro Pro Ala  
 215 220 225  
 Tyr Asp Val Cys Phe Gly His Pro Asp Asp Asp Ser Val Phe Tyr  
 230 235 240  
 Glu Asp Asn Trp Ala Pro Pro  
 245

&lt;210&gt; 77

&lt;211&gt; 193

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 3120070

&lt;400&gt; 77

Met Ile Arg Cys Gly Leu Ala Cys Glu Arg Cys Arg Trp Ile Leu  
 1 5 10 15  
 Pro Leu Leu Leu Leu Ser Ala Ile Ala Phe Asp Ile Ile Ala Leu  
 20 25 30  
 Ala Gly Arg Gly Trp Leu Gln Ser Ser Asp His Gly Gln Thr Ser  
 35 40 45  
 Ser Leu Trp Trp Lys Cys Ser Gln Glu Gly Gly Gly Ser Gly Ser  
 50 55 60  
 Tyr Glu Glu Gly Cys Gln Ser Leu Met Glu Tyr Ala Trp Gly Arg  
 65 70 75  
 Ala Ala Ala Ala Met Leu Phe Cys Gly Phe Ile Ile Leu Val Ile  
 80 85 90  
 Cys Phe Ile Leu Ser Phe Phe Ala Leu Cys Gly Pro Gln Met Leu  
 95 100 105  
 Val Phe Leu Arg Val Ile Gly Gly Leu Leu Ala Leu Ala Ala Val  
 110 115 120  
 Phe Gln Ile Ile Ser Leu Val Ile Tyr Pro Val Lys Tyr Thr Gln

Thr Phe Thr Leu	125	130	135
His Ala Asn Pro Ala Val Thr Tyr Ile Tyr Asn			
140	145	150	
Trp Ala Tyr Gly Phe Gly Trp Ala Ala Thr Ile Ile Leu Ile Gly			
155	160	165	
Cys Ala Phe Phe Phe Cys Cys Leu Pro Asn Tyr Glu Asp Asp Leu			
170	175	180	
Leu Gly Asn Ala Lys Pro Arg Tyr Phe Tyr Thr Ser Ala			
185	190		

<210> 78  
 <211> 128  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 3133035

<400> 78  
 Met Asn Met Lys Gln Lys Ser Val Tyr Gln Gln Thr Lys Ala Leu  
 1 5 10 15  
 Leu Cys Lys Asn Phe Leu Lys Lys Trp Arg Met Lys Arg Glu Ser  
 20 25 30  
 Leu Leu Glu Trp Gly Leu Ser Ile Leu Leu Gly Leu Cys Ile Ala  
 35 40 45  
 Leu Phe Ser Ser Ser Met Arg Asn Val Gln Phe Pro Gly Met Ala  
 50 55 60  
 Pro Gln Asn Leu Gly Arg Val Asp Lys Phe Asn Ser Ser Ser Leu  
 65 70 75  
 Met Val Val Tyr Thr Pro Ile Ser Asn Leu Thr Gln Gln Ile Met  
 80 85 90  
 Asn Lys Thr Ala Leu Ala Pro Leu Leu Lys Gly Thr Ser Val Ile  
 95 100 105  
 Gly Ala Gln Ile Ile His Thr Trp Thr Lys Tyr Phe Trp Lys Ile  
 110 115 120  
 Tyr Ile Cys Tyr Gly Asn His Leu  
 125

<210> 79  
 <211> 115  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 3436879

<400> 79  
 Met Ala Val Ala Val Leu Leu Cys Gly Cys Ile Val Ala Thr Val  
 1 5 10 15  
 Ser Phe Phe Trp Glu Glu Ser Leu Thr Gln His Val Ala Gly Leu  
 20 25 30  
 Leu Phe Leu Met Thr Gly Ile Phe Cys Thr Ile Ser Leu Cys Thr

35 40 45  
 Tyr Ala Ala Ser Ile Ser Tyr Asp Leu Asn Arg Leu Pro Lys Leu  
 50 55 60  
 Ile Tyr Ser Leu Pro Ala Asp Val Glu His Gly Tyr Ser Trp Ser  
 65 70 75  
 Ile Phe Cys Ala Trp Cys Ser Leu Gly Phe Ile Val Ala Ala Gly  
 80 85 90  
 Gly Leu Cys Ile Ala Tyr Pro Phe Ile Ser Arg Thr Lys Ile Ala  
 95 100 105  
 Gln Leu Lys Ser Gly Arg Asp Ser Thr Val  
 110 115

&lt;210&gt; 80

&lt;211&gt; 1869

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 153831

&lt;400&gt; 80

gcgagcggct ggcggatccg acgcgcgaga ccgggagggg acgagggcgt tgcaatcggt 60  
 cggggcgggg gctttccggg gagggggtgc tcaggtgcac cagcggcggc ggaccctcag 120  
 actctgccct cccctccctt taacccctt ccagccggac gggaggcggg gcagggctga 180  
 gcatttggtga cacctacatt tccgtggctc ccttcttttc ccccgacccc tgtttatctc 240  
 ttgccttcc agaagttctt ttccatcagg ccgtcgcacc ttgcgtggga aggagcacc 300  
 cacttggaag caggaggcgg ggttcagatc ttggccctac cctcctgtg ttaaagtcag 360  
 cgagcctcag ttccctcac agtattttt gcctcgcctt acccggtttt gaggatctgt 420  
 acgagaaaga gaaaggaagt ggacatttgt tgaattcctg catggccaaa taccacgcag 480  
 actgcttcat ccgccacgtt taatccttat tacttgggtg tctcagaact cccatttcat 540  
 ggattcttaa gctcacagag tcagtgaata acagaaagg attcagatct agccgtttag 600  
 ctgcacagtg gagttcttct ccagagtctt ccttgtctg ggctctggct ggaactattc 660  
 ctcagccaaa tctcgcctc agaacagtgc ttctgtttt tccagctgag aagtctccct 720  
 ttcagtttcc ttcttcagc acggagtaca ctgctctgcc tccacttaga ttacttcaga 780  
 aatgaaatgc agcaaataat tatccagcag tgcaggaggt tgaacttttg gactcgggaa 840  
 ccttggtatc ttgttctggc tctgccactt actgtgtggc cttgggaagt cctttgtctt 900  
 ctctgagctt tcttttctct ttgcgtaaaa gcggtgctct tgcctcattc tccctccctg 960  
 tcttccagca ggtctctccc ggaggtcag cccctctgc tcccatggg caactgccag 1020  
 gcagggcaca acctgcacct gtgtctggcc caccacccac ctctggctctg tgccactttg 1080  
 atcctgctgc tcttggcct ctctggcctg ggcttggca gcttctcct caccacagg 1140  
 actggcctgc gcagccctga catccccag gactgggtct cttttttgag atcttttggc 1200  
 cagctgaccc tgtgtcccag gaatgggaca gtcacaggga agtggcagg gtctcagtc 1260  
 gtgggcttgc tgaccacctt gaacttcgga gacggtccag acaggaaaca gaccggaca 1320  
 ttccaggcca cagtccctggg aagtcagatg ggattgaaag gatcttctgc aggacaactg 1380  
 gtccttatca cagccagggt gaccacagaa aggactgcag gaacctgctt atattttagt 1440  
 gctgttccag gaatcctacc ctccagccag ccacccatat cctgctcaga ggagggggct 1500  
 ggaaatgcca cctgagccc tagaatgggt gaggaatgtg ttagtgtctg gagccatgaa 1560  
 ggcttgtgct tgaccaagct gctcacctcg gaggagctgg ctctgtgtgg ctccaggctg 1620  
 ctggtcttgg gctccttctt gcttctcttc tgtggccttc tctgtgtgt cactgctatg 1680  
 tgcttccacc cgcgcgggga gtccactgg tctagaacct ggctctgagg gactggcct 1740  
 agttcccgac ttgtttctca ggtgtgaatc aacttcttgg gccttggctc tgagtggaa 1800  
 aaggttttag aaaaagtga gagctggaat gtgggggaaa ataaaaagct tttttgcccc 1860  
 aaaaaaaaaa 1869

<210> 81  
 <211> 1044  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 350629

<400> 81  
 tgcagttaac atctgcacac ttcactatat ttttaagtttt tgtaaataa aaagaataag 60  
 aaaacagaaa agtattactg ttaaacaata atagagaaat gtatacttta tttacaaatt 120  
 tctccctcta gctgatcata cagttgacca gttcagggtg cccgctgctg gttggatgcc 180  
 aggcggaatg tcagggtggt ctctgggtgtc tggttggtgt gtgggatcca cggttactgg 240  
 ggcggagcctg tgggtggctgt ggtgccatgg aggggctgcg atcttctgtg gagctggacc 300  
 ctgagctgac tccagggaag ctggatgagg agatgggtggg gctgccaccc catgacgcga 360  
 gtcctcaagt cactttccac agcctcgatg ggaagacagt ggtgtgtcca cacttcatgg 420  
 gcttactgct ggggtctctta cttttattga ctttgtctgt taggaaccaa ctctgtgtaa 480  
 gaggtgaaag gcagcttgca gaaacactgc attcacaggt gaaggagaaa tcccagctca 540  
 ttggcaagaa aacagattgt agagactgag gcatctttaa aagatgtcag ggtacagaaa 600  
 aagtccttca acacccccgg ctttgttagat gcctacaaga aggtgaatag caccaacgag 660  
 atgctgatgg agaaatttac caccctcgtt caagaactga aagaagagac atcctccaga 720  
 ctctcctcaa tgggcgggtgc ctccaaatct aaagaatatg gaggtcctgg agcacaccaa 780  
 gaaatgaggg actttttctt tgcagaaagt ttgaattctg tcttaatgag acagaatgcc 840  
 atacttgagc acctcatctt ttgctcaaat tgaatgtca tgaactgta tttctcaagt 900  
 caatgggtctg taaatatgat ttatgtatta atctcctaag tgaacaattt atattttatc 960  
 ctctacataa ttatcgtatt atgctttaa tatatattta gtttatcaat aaagacattc 1020  
 agtactcaat agcaaaaaaa aaaa 1044

<210> 82  
 <211> 3079  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone No: 729171

<400> 82  
 cggctcgagg tcggctggag tcggaggcga tatttctagg ggtgtacttg ttggggctcag 60  
 ggtaagcacc agccacaaaa acctacaaaa gaagggaat tactgtcttt aaatatataa 120  
 aaaaaacaag atccatgagt gggcatcgat caacaaggaa aagatgtgga gattcccacc 180  
 cggagtcccc agtgggcttc gggcatatga gtactacagg atgtgtatta aataaattgt 240  
 ttcagttacc aacaccacca ttgtcaagac accaactaaa gcggctagaa gaacacagat 300  
 atcaaagtgc tggacggtcc ctgcttgagc ccttagtgca agggatttgg gaatggctcg 360  
 ttagaagagt tccctcctgg attgccccaa atctcatcac catcattgga ctgtcaataa 420  
 acatctgtac aactatttta ttagtcttct actgcctac agctacagag caggcacctc 480  
 tgtgggcata tattgcttgt gcctgtggcc ttttcattta ccagtctttg gatgctattg 540  
 gtgggaaaca ggcaagaaga accaatagta gttctcctct gggagaactt ttgatcatg 600  
 gctgtgattc actatcaaca gtttttgtgg ttcttggaac ttgtatagca gtgcagctgg 660  
 ggacaaaacc tgattggatg tttttttgtt gttttgctgg gacatttatg ttctatttgt 720  
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&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;223&gt; Incyte Clone No: 1517434

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&lt;213&gt; Homo sapiens

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&lt;223&gt; Incyte Clone No: 1536052

&lt;400&gt; 88

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&lt;213&gt; Homo sapiens

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&lt;223&gt; Incyte Clone No: 1666118

&lt;400&gt; 89

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<213> Homo sapiens

<220>  
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<220>  
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 <223> Incyte Clone No: 1692236

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<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone No: 1720847

<400> 93

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<211> 1638

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone No: 1752821

<400> 94

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&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 1810923

&lt;400&gt; 95

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&lt;211&gt; 1858

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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 <213> Homo sapiens

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 <223> Incyte Clone No: 1877777

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<211> 1476

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte Clone No: 1879819

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<211> 646

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone No: 1932945

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&lt;211&gt; 1735

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 2061026

&lt;400&gt; 100

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<211> 922

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<221> misc\_feature

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<220>

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<223> Incyte Clone No: 2836858

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<223> Incyte Clone No: 182532

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<212> DNA

<213> Homo sapiens

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<211> 1815

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone No: 1671302

<400> 117

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&lt;210&gt; 118

&lt;211&gt; 1566

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 2041858

&lt;400&gt; 118

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<210> 119

<211> 1055

<212> DNA

<213> Homo sapiens

<220>

<221>

<222> 1032, 1037, 1042

<223> a or g or c or t, unknown, or other

<220>

<221> misc\_feature

<223> Incyte Clone No: 2198863

<400> 119

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<210> 120

<211> 1956

<212> DNA

<213> Homo sapiens

<220>  
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<222> 1893, 1896, 1899, 1906, 1911, 1921, 1926, 1927, 1928, 1929, 1932,  
1935, 1940, 1948, 1950, 1951, 1953  
<223> a or g or c or t, unknown, or other

<220>  
<221> misc\_feature  
<223> Incyte Clone No: 3250703

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cacacggaca aaagggccag cactattctg gacaaaaagg caagcaacaa actgaatcca 240  
aaggcagttt ttctattcaa tacacatatc atgtagatgc caatgatcat gaccagtcct 300  
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aaaatccttc tcaagatcag gggaatagcc catctggaaa gggaatatcc agtcaatatt 540  
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<210> 121  
<211> 1737  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte Clone No: 350287



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 aaaaaaattt taagadaaca agtaaccata tatagggtgtt tgaatgattt tctcattttt 360  
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<211> 789

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone No: 1618171

<400> 122

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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> Incyte Clone No: 1625863

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 <212> DNA  
 <213> Homo sapiens

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 <223> Incyte Clone No: 1638353

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<210> 125

<211> 2016

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone No: 1726843

<400> 125

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 atccccaga accgtaacta ttgtggcct ctcagtggcc ctgggactct tctttgtttt 180  
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<211> 2067

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone No: 1754506

<400> 126

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<210> 127

<211> 2180

<212> DNA

<213> Homo sapiens

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&lt;210&gt; 128

&lt;211&gt; 991

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 1864943

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&lt;210&gt; 129

&lt;211&gt; 637

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 1911316

&lt;400&gt; 129

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&lt;210&gt; 130

&lt;211&gt; 2631

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;223&gt; Incyte Clone No: 1943120

&lt;400&gt; 130

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&lt;210&gt; 131

&lt;211&gt; 646

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 2314236

&lt;400&gt; 131

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<213> Homo sapiens

<220>

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<210> 133

<211> 1922

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone No: 2683149

<400> 133

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<210> 134

<211> 840

<212> DNA

<213> Homo sapiens

<220>

<221>

<222> 814

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<220>

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<213> Homo sapiens

<220>  
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<223> Incyte Clone No: 2989375

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&lt;211&gt; 1252

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;223&gt; Incyte Clone No: 3359559

&lt;400&gt; 140

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&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;223&gt; Incyte Clone No: 4289208

&lt;400&gt; 141

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&lt;210&gt; 142

&lt;211&gt; 1704

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone No: 2454013

&lt;400&gt; 142

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<212> DNA

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<211> 1564

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone No: 2483432

<400> 145

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<213> Homo sapiens

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<223> Incyte Clone No: 3120070

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<213> Homo sapiens

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<400> 158

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